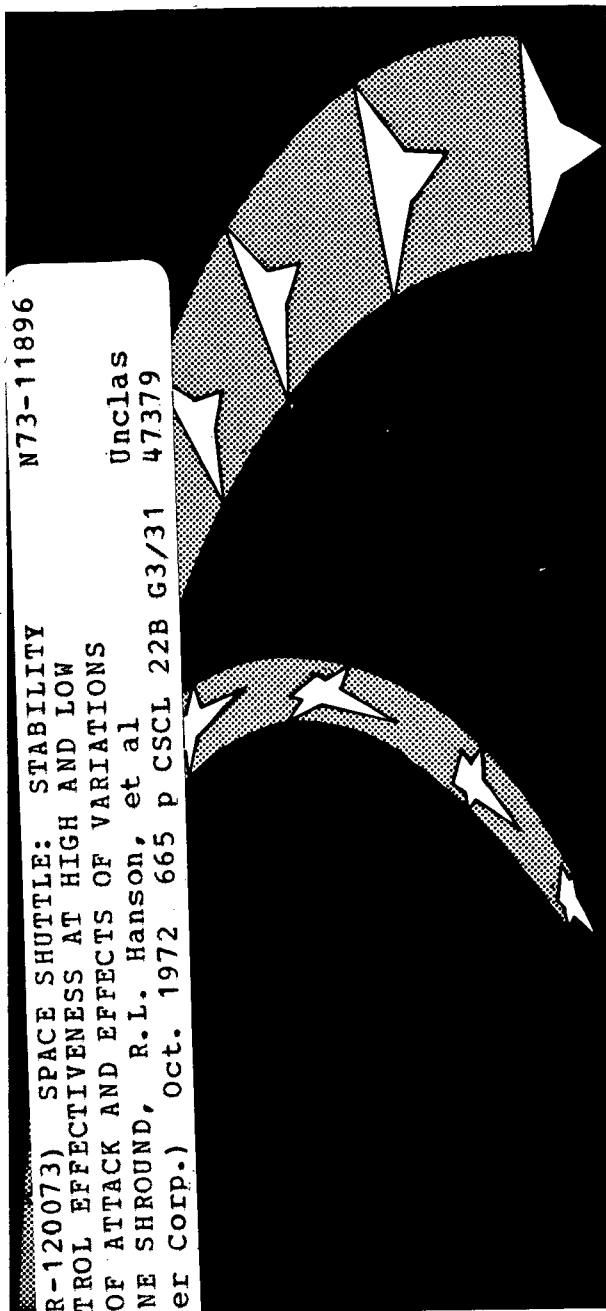


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NTIS HC \$35.25 DMS-DR-1275  
CR-120,073  
OCTOBER 1972



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Unclas  
47379

(NASA-CR-120073) SPACE SHUTTLE: STABILITY  
AND CONTROL EFFECTIVENESS AT HIGH AND LOW  
ANGLES OF ATTACK AND EFFECTS OF VARIATIONS  
IN ENGINE SHROUD, R.L. Hanson, et al  
(Chrysler Corp.) Oct. 1972 665 p CSCI 22B G3/31

ADSAC SPACE SHUTTLE  
AEROTHERMODYNAMIC  
DATA MANAGEMENT SYSTEM

—SPACE SHUTTLE—

STABILITY AND CONTROL  
EFFECTIVENESS AT HIGH AND  
LOW ANGLES OF ATTACK AND  
EFFECTS OF VARIATIONS IN  
ENGINE SHROUD, FIN, AND DRAG  
PETAL CONFIGURATIONS FOR  
THE BOEING 0.008899-SCALE  
PRESSURE-FED BALLISTIC  
RECOVERABLE BOOSTER,  
MODEL 979-160

By

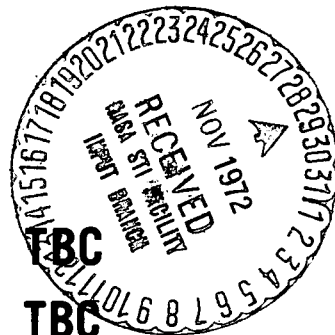
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BOEING TRANSONIC WIND  
TUNNEL AND BOEING  
SUPERSONIC WIND TUNNEL



CONTRACT NAS8-4016  
MARSHALL SPACE FLIGHT CENTER

SPACE DIVISION



CHRYSLER  
CORPORATION

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OCTOBER, 1972

SADSAC/SPACE SHUTTLE

WIND TUNNEL TEST DATA REPORT

CONFIGURATION: Boeing .008899-Scale Pressure-Fed Ballistic Recoverable  
Booster, Model 979-160

TEST PURPOSE: To determine stability and control effectiveness at high  
and low angles of attack and to determine effects of variations  
in engine shroud, fin, and drag petal configurations.

TEST FACILITY: Boeing Transonic Wind Tunnel (BTWT)  
Boeing Supersonic Wind Tunnel (BSWT)

TESTING AGENCY: The Boeing Company

TEST NO. & DATE: BTWT 1282/BSWT 557; January 23, 1972 - February 16, 1972  
(84½ Occupancy Hours)

FACILITY COORDINATOR: Mr. W. Mayer

PROJECT ENGINEER(S): Mr. R. L. Hanson, Mr. R. G. O'Brien,  
Mr. M. Y. Oiyee, Mr. S. Vanderleest, TBC

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CONTRACT NAS 8-4016

AMENDMENT 174

DRL 297 - 84a

This report has been prepared by Chrysler Corporation Space Division under a Data Management Contract to the NASA. Chrysler assumes no responsibility for the data presented herein other than its display characteristics.

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STABILITY AND CONTROL EFFECTIVENESS AT HIGH AND LOW ANGLES OF ATTACK  
AND EFFECTS OF VARIATIONS IN ENGINE SHROUD, FIN, AND DRAG PETAL  
CONFIGURATIONS FOR THE BOEING 0.008899-SCALE PRESSURE-FED  
BALLISTIC RECOVERABLE BOOSTER, MODEL 979-160

By

R. L. Hanson, R. G. O'Brien, M. Y. Oiyee, and S. Vanderleest; TBC

A B S T R A C T

Experimental aerodynamic investigations were carried out in the Boeing Transonic and Supersonic Wind Tunnels during January and February 1972 on a 0.008899-scale model of a proposed pressure-fed Ballistic Recoverable Booster (BRB) configuration. The purpose of the test program was to determine the stability and control effectiveness of the basic configuration at high and low angles of attack, and to conduct parametric studies of various engine shroud, fin, and drag petal configurations.

Six-component force data and base pressure data were obtained over a Mach number range of 0.35 to 4.0 at angles of attack of  $-5^{\circ}$  to  $25^{\circ}$  and  $55^{\circ}$  to  $85^{\circ}$  at zero degrees sideslip and over a sideslip range of  $-10^{\circ}$  to  $+10^{\circ}$  at angles of attack ranging from  $-10^{\circ}$  to  $72.5^{\circ}$ . Two-component force data were also obtained with a fin balance on selected runs.

NOMENCLATURE  
General

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C <sub>p</sub>	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; $V/a$
p		pressure; N/m <sup>2</sup> , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$ , N/m <sup>2</sup> , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
$\alpha$	ALPHA	angle of attack, degrees
$\beta$	BETA	angle of sideslip, degrees
$\psi$	PSI	angle of yaw, degrees
$\phi$	PHI	angle of roll, degrees
$\rho$		mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>

Reference & C.G. Definitions

A <sub>b</sub>		base area; m <sup>2</sup> , ft <sup>2</sup>
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ <sub>REF</sub>	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m <sup>2</sup> , ft <sup>2</sup>
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
$\infty$	free stream

# NOMENCLATURE (Continued)

## Body-Axis System

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
$C_N$	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
$C_A$	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_{A_b}$	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
$C_{A_f}$	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

## Stability-Axis System

$C_L$	CL	lift coefficient; $\frac{\text{lift}}{qS}$
$C_D$	CD	drag coefficient; $\frac{\text{drag}}{qS}$
$C_{D_b}$	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
$C_{D_f}$	CDF	forebody drag coefficient; $C_D - C_{D_b}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; $C_L/C_D$

# NOMENCLATURE (Concluded)

Additions for BTWT 1282/BSWT 557

<u>SYMBOL</u>	SADSAC <u>SYMBOL</u>	<u>DEFINITION</u>
$C_{N_{fin}}$	CNFIN	Fin Normal Force Coefficient; $\frac{\text{Fin Normal Force}}{q S_f}$
$C_{m_{fin}}$	CLMH	Fin Hinge Moment Coefficient; $\frac{\text{Fin Hinge Moment}}{q S_f l_f}$
$S_f$		Fin Reference Area, in <sup>2</sup>
$l_f$		Fin Mean Aerodynamic Chord, in.
$\delta_V$	DELTAV	Fin V6 deflection angle with respect to a plane passing through the body center-line at 30° dihedral; trailing edge left, positive (see fig. 9)
$\delta_T$		Trim tab deflection with respect to water line; positive trailing edge down.

# CONFIGURATIONS INVESTIGATED

## Model Components Tested:

- B<sub>5</sub>** Basic Model 979-160 body, axisymmetric with approximately hemispherical nose;  $l/d = 4.17$
- B<sub>6</sub>** B<sub>5</sub> body with alternate nose;  $l/d = 4.90$
- S<sub>2</sub>** Model 979-066 engine shroud with  $5.7^\circ$  flare angle; fabricated in segments to accept fin V<sub>3</sub> in tri-form or cruciform arrangements.
- S<sub>3</sub>** Basic Model 979-160 engine shroud with  $12.9^\circ$  flare angle; shroud S<sub>3A</sub> is designed to permit fin deflections with V<sub>6</sub>, shroud S<sub>3B</sub> is multiply-slotted to accept V<sub>8</sub> or V<sub>9</sub> in various locations.
- S<sub>4</sub>** Alternate 979-160 engine shroud with triangular base.
- S<sub>5</sub>** Alternate 979-160 engine shroud with radiused leading edge and zero flare angle.
- V<sub>3</sub>** 445 ft<sup>2</sup> fins based on Model 979-066.
- V<sub>6</sub>, V<sub>6.1</sub>** Basic Model 979-160 fins, contoured, tapered, and deflectable;  $S_{exp} = 675 \text{ ft}^2/\text{fin}$ .
- V<sub>6F</sub>** V<sub>6</sub> fin with two-component (NF, HM) balance installed; mounted on left side on S<sub>3A</sub>.
- V<sub>7</sub>** Alternate fins to mount on S<sub>4</sub>;  $S_{exp} = 565 \text{ ft}^2/\text{fin}$ .
- V<sub>8</sub>** Alternate rectangular fins to mount on S<sub>3B</sub> or S<sub>5</sub>;  $S_{exp} = 675 \text{ ft}^2/\text{fin}$ .
- V<sub>9</sub>** Slab-sided fins similar in planform to V<sub>6</sub>, to mount on S<sub>3B</sub> or S<sub>5</sub>;  $S_{exp} = 675 \text{ ft}^2/\text{fin}$ .
- F<sub>1</sub>** 45° fin flaring (simulated split rudder) mounted on aft portion of V<sub>3</sub>.

$F_{2.1}$	75° fin flaring mounted at leading edge of $V_3$ .
$F_3$	45° fin flaring mounted on aft portion of $V_9$ .
$T_1$	Trim tab mounted on $S_4$ with 30° deflection angle.
$T_2$	Trim tab mounted on $S_4$ with 75° deflection angle.
$D_1-D_5$	Rectangular drag skirts with varying areas and aspect ratios.
$D_6-D_8$	Paddle-shaped drag skirts.
$D_9-D_{10}$	Tapered drag skirts.

Dimensional data for the model components are provided in Table III.

#### Model Component Combinations Tested:

See Table II.

#### Control Surface Deflections Tested:

Fins ( $V_6$ ): 0°, -40°, -60°, -80° with respect to a plane passing through the body centerline at 30° dihedral.

Trim Tabs: 30°, 75° with respect to water line.

## TEST FACILITY DESCRIPTION

The Boeing Transonic Wind Tunnel is a closed return tunnel operating at Mach numbers up to 1.2. The 8' x 12' test section is slotted to minimize interference in the transonic test regime. Plenum pressures are controlled by re-entry doors downstream of the test section. Models are normally sting-mounted on a strut with a nominal angle of attack range of  $\pm 15^\circ$ . The stagnation pressure is approximately atmospheric giving a maximum Reynolds number of  $3.95 \times 10^6$  per foot at  $M = 1.1$ .

The Boeing Supersonic Wind Tunnel is an intermittent blowdown tunnel exhausting to atmosphere. Air is stored at 145 psia in two 38-foot diameter spheres. Flexible plates, forming the nozzle sidewalls, are adjusted by ten hydraulic actuators to vary the Mach number from 1.3 to 4.0 in the 4 x 4 foot test section. Models are usually sting mounted on a strut that gives an angle of attack range of  $\pm 17.5^\circ$ . Starting and stopping loads can be alleviated by the use of proximity plates.

## TEST CONDITIONS

The model was sting-mounted on the Boeing 610 "dogleg" sting which permits a large range of pre-bend angles to be selected for high- $\alpha$  testing beyond tunnel pitch limits. Yaw runs were made by setting the sting pre-bend angle, then rolling the sting and model  $90^\circ$ , and yawing the model in the tunnel pitch plane.

Force data were measured with the Boeing 658S six-component internal strain gage balance and with a two-component fin balance. Base pressures were measured at six locations and used to correct balance data as described under Data Reduction. Schlieren photographs were taken during selected runs in the Supersonic Tunnel.

Grit-type trip strips were applied to the body, shroud, and fins as shown in Figure 4. Screw holes and gaps between fins and shrouds were filled with red wax in the Supersonic Tunnel and with Magic Bond in the Transonic Tunnel.

Configuration variables included nose and engine shroud geometry; fin and fin flaring geometry, location, and deflection angle; drag petal geometry, location, and arrangement; and trim tab deflection angle.

The noses and engine shrouds were interchangeable and mounted directly onto the centerbody section. Fins were then mounted on the engine shrouds. Fin deflections for  $V_6$  were set by installing interchangeable incidence blocks which positioned the fin at a fixed, repeatable angle. Shroud  $S_2$  was fabricated in six segments to permit triform and cruciform arrangements of fin  $V_3$ . Shroud  $S_3B$  was fabricated with multiple slots to accept fin  $V_9$  in four different positions.

Fin flarings were mounted either at the leading edge or on the aft portion of fins  $V_3$  and  $V_9$ . Separate model parts were used to simulate the varying deflection angles.

Ten different drag petal configurations were fabricated in sets of eight. The petals were mounted at either the leading or trailing edge of the  $S_3$  shrouds and were tested in varying number and arrangement.

The configuration variables summarized above are more closely defined in the model sketches in Figures 5 through 16.

#### DATA REDUCTION

Aerodynamic forces and moments acting on the model were measured with the Boeing 658S six-component internal strain gage balance. Base pressures were measured in six places, and the data were used to determine a correction to the measured axial forces. Base pressure corrections to pitching and yawing moments were also made when testing the basic configuration ( $B_5S_3$ ) at high angles of attack in the Supersonic Tunnel. Balance cavity pressures were measured but were not used in the data reduction.

The data were reduced to coefficient form using the following reference dimensions:

$S$  = reference area =  $9.750 \text{ in}^2$

$l$  = reference length =  $14.683 \text{ in}$  for  $B_5S_x$ ;  
 $17.283 \text{ in}$  for  $B_6S_3$

$A_b$  = base area =  $20.208 \text{ in}^2$  for  $B_5S_3$ ,  $B_6S_3$ ,  $B_5S_5$ ;  
 $13.163 \text{ in}^2$  for  $B_5S_2$ ;  
 $14.75 \text{ in}^2$  for  $B_3S_4$

$A_{bn}$  = area of base segments =  $A_b/6$

$P$  = free stream static pressure, in psi

$P_{bn}$  = base pressure acting on  $A_{bn}$ , in psi



$Y_n$  = horizontal distance to centroid of  $A_{bn}$ , positive to right of vertical centerplane

$Z_n$  = vertical distance to centroid of  $A_{bn}$ , positive above horizontal centerplane

Moment data were reduced about a reference c.g. located at 60% of model length:

body  $B_5$ : MRC located at MS 5.873

body  $B_6$ : MRC located at MS 6.913

A two-component (normal force and hinge moment) balance was installed in fin  $V_{6F}$  mounted on the left side (paired with a non-instrumented fin  $V_6$  on the right side) of shroud  $S_{3A}$ . The measured fin loads were reduced to coefficient form using the following equations:

$$CNFIN = C_{Nfin} = \frac{\text{Fin Normal Force}}{q S_f}$$

$$CLMH = C_{mfin} = \frac{\text{Fin Hinge Moment}}{q S_f l_f}$$

where  $S_f$  = fin movable area = 7.309 in<sup>2</sup>

$l_f$  = fin m.a.c. = 2.136 in

The fin hinge line was located at 50% of m.a.c.

TABLE I

TEST CONDITIONS  
TEST BTWT 1282/BSWT 557

[illegible]

BALANCE UTILIZED: BOEING 658S

**CAPACITY:**

NF	1000 LB
SF	750 LB
AF	175 LB
PM	1800 IN-LB
YM	850 IN-LB
RM	850 IN-LB

**ACCURACY:**

**Abstract**

COEFFICIENT  
TOLERANCE:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**COMMENTS :**

TABLE II

## TEST BTWT 1282/BSWT 557 DATA SET COLLATION SHEET

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BTWT ☐ PRETEST  
 BSWT ☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)														
		a	B	dv					35	.6	.8	.9	.95	1.0	1.05	1.1	1.3	1.4	1.6	2.0	2.7	3.5	4.0
RD8001	B5S3	A	O					7		54		53		52		5			4	3		7	
002		B	O					5										54	59	60	81	65	
007		75	C					2										211			206		
009		O	O					1	55														
011	D <sub>1</sub>	A	O					2									28					8	
021	D <sub>2</sub>							2									29					9	
031	D <sub>3</sub>							1														11	
041	D <sub>4</sub>							2									27					12	
051	D <sub>5</sub>							7		61		60		59		26			42	23		13	
059	D <sub>5</sub>	O	O					1	62													82	
061	D <sub>6</sub>	A	O					0														82	
071	D <sub>7</sub>							2									91					83	
081	D <sub>8</sub>							2									90					84	
091	D <sub>11</sub>							2									32					19	
101	D <sub>31</sub>							4									31		39	20		10	
111	D <sub>51</sub>							7		58		57		56			25		41	24		14	
121	D <sub>12</sub>							4									33		37	21		15	
131	D <sub>32</sub>							4									34		38	22		16	
141	D <sub>62</sub>							2									88					87	
RD8151	B5S3 D <sub>13</sub>							3									35		36			18	
1	7	13	19	25	31	37	43	49	55	61	67	75	76										
CN	CAF	CLM	CY	CYN	GBL	CNFIN	CLMH																

CN 7 13 19 25 31 37 43 49 55 61 67 7576

COEFFICIENTS: CA: -5 → +25  
 CB: 55 → 85  
 CD: -10 → +10

IDEVAR(1) IDEVAR(2) INDV

SCHEDULES

TABLE II (continued)

## TEST BTWT 1282/BSWT 557 DATA SET COLLATION SHEET

BTWT ☐ BSWT ☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)												
		a	b	$\delta v$					35	36	37	38	39	40	41	42	43	44	45	46	47
RD8161	B5S3D33	A	O					1													17
171	D5.3							8	64		63			65		44	45		43	46	47
181	D7.3							2								89	51				50
191	D8.3							2													86
201	D9.4							2									93				100
301	D9.4 V6.1			O				3									94		101		99
304	D9.4 V6.1	77	C					1									95				
311	V6.1	A	O					2									97				98
314	V6.1	77	C					1									96				
321	D10.4 V6.1	A	O					5	97	94	96						95	93			
325		10	C					5	103	100	102						101	99			
328		-10	C					5	108	105	107						106	104			
329		O	O					1	98												
331	D10.5 V6.1	A	O					2									176				165
333		O	C					2									174				168
334		77	C					2									175				166
341	D10.6 V6.1	A	O					6	117	114	116			115			172				170
343		O	C					2									173				169
349		O	O					1	113												
RD8351	B5S3 D4.5 V6	A	O					10	122	119	121			120	123	118	240	233		232	241

COEFFICIENTS:

 $\alpha A: -5 \rightarrow +25$  $\alpha$  or  $\beta$  $\alpha B: 55 \rightarrow 85$ 

SCHEDULES

 $\beta C: -10 \rightarrow +10$  $\Rightarrow$  IDPVAR(1) IDPVAR(2) NDV

TABLE II (continued)

## TEST BTWT 1282/BSWT 557 DATA SET COLLATION SHEET

71

BTWT ☐ BSWT ☒ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)															
		$\alpha$	$\beta$	$\delta v$					35	6	8	9	95	1.0	1.05	1.1	1.3	1.4	1.6	2.0	2.7	3.5	4.0	7576
RD8353	B5S3 D4.5 V6	O	C	O				4									239	234				231	242	
359	D4.5 V6	O	O					1	124															
361	D1.5 V6	A	O					1															247	
364		7.7	C					1															246	
365		10	C					3		75	74				73									
369		O	O					O																
371	D4.7 V6	A	O					5		129	126	128			127	125								
379	D4.7 V6	O	O					1	130															
381	D1.7 V6	A	O					5		135	132	134			133	131								
389	D1.7 V6	O	O					1	136															
401	V6	A	O					4									237	236				229	244	
402		B	O					5									55	58	61	80	64			
403		O	C					4									238	235				230	243	
404		7.7	C					1															245	
406		6.5	C	1				4									56	57	62	67				
412		B	O	-40				2									70				69			
416		6.5	C	-40				2									71				68			
422		B	O	-60				2									73				78			
426		6.5	C	-60				2									72				79			
RD8432	1	B	O	-80				2									74				77			

COEFFICIENTS:

 $\alpha A: -5 \rightarrow +25$  $\alpha B: +55 \rightarrow +85$  $\alpha$  or  $\beta$   
SCHEDULES $\beta C: -10 \rightarrow +10$ 

IDPVAR(1) IDPVAR(2) INDV

TABLE II (continued)

## TEST BTWT 1282/BSWT 557 DATA SET COLLATION SHEET

15

BTWT ☐ BSWT ☒ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)															
		a	b	SV					DEPT 35/1.1	35	6	8	9	95	1.0	1.05	1.1	1.3	1.4	1.6	2.0	2.7	3.5	4.0
R08436	B5S3V6	67.5	C	-80				2																
501	V6F	A	O	O				3											75				76	
502		B	O					11	14										191	204	203	199		
505		10	C					3																
507		72.5	C	↓				7															200	
512		B	O	-40				11															201	
522		B	O	-60				7															198	
532	↓	B	O	-80				2											196				197	
541	D10.4V6F	A	O	O				3																
545	D10.4V6F	10	C					3																
551	D1.5V6F	A	O					3																
555	D1.5V6F	10	C	↓				2																
602	V8	B	O					1															182	
612	V9A	B	O					2											213				183	
614	↓	7.7	C					1											253					
617	↓	72.5	C					2											214				184	
622	V9B	B	O					2											209				208	
627	V9B	72.5	C					2											210				207	
↓ 632	↓ V9C	B	O					2											216				186	
R08637	B5S3 V9C	72.5	C					2											215				185	

COEFFICIENTS:

 $\alpha A: -5 \rightarrow +25$  $\alpha$  or  $\beta$  $\alpha B: 55 \rightarrow 85$ 

SCHEDULES

 $\beta C: -10 \rightarrow +10$ 

IDPVAR(1) IDPVAR(2) NDV

TABLE II (continued)

TEST BTWT 1282/BSWT 557 DATA SET COLLATION SHEET

BTWT ☐ BSWT ☒ POSTTEST ☐ PRETEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)															
		a	b	ST					35	6	8	9	.95	1.0	1.05	1.1	1.3	1.4	1.6	2.0	2.7	3.5
RD8642	B5S3 V9D	B	O			2												218			188	
647	V9D	7/25	C			2												219			189	
651	V9A F3	A	O			6		68		67				66				251	250		248	
654		7/7	C			2												252			249	
655		10	C			3		72		71				70								
659	V	O	O			1	69															
701	B6S3	A	O			1															49	
711	B6S3 D5.3					1															40	
801	B5S2 V3					2															161	
811	V3F2.1					2															160	
821	V3F1					2															159	
831	V3.2					2															162	
841	V3.2 F1	V	V			3		86		85				84								
845	V3.2 F1	10	C			3		89		88				87								
851	V3.3 F1	A	O			2												155			158	
854	V3.3 F1	7/7	C			2												156			157	
902	B6S4 V7	B	O			1															178	
907		7/25	C			1															179	
912	T1 <sup>30</sup>	B	O			1															180	
RD8922	T2 <sup>75</sup>	B	O			1															181	

COEFFICIENTS:

a or b  
SCHEDULES

αA: -5 → +25

αB: 55 → 85

βC: -10 → +10

IDPVAR(1) IDPVAR(2) INDV

TEST BTWT 1282/BSWT 557 DATA SET COLLATION SHEET

BTWT      BSWT

□ PRETEST  
☒ POSTTEST

[illegible]

IDPVAR(1) | IDPVAR(2) | NDV

$\alpha_B: 55 \rightarrow 85$

BC: -10  $\rightarrow$  +10



TABLE III  
DIMENSIONAL DATA

MODEL COMPONENT: BODY - B5

GENERAL DESCRIPTION: BASIC MODEL 979-160 PRESSURE-FED  
BRB BODY AND NOSE

DRAWING NUMBER: Model: S.O. 1236-1, -3, -4

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>137.5 FT</u>	<u>14.683 IN</u>
Max. Width	<u>33.0 FT</u>	<u>3.524 IN</u>
Max. Depth	<u>33.0 FT</u>	<u>3.524 IN</u>
Fineness Ratio	<u>4.17</u>	<u>4.17</u>
Area		
Max. Cross-Sectional	<u>855.3 FT<sup>2</sup></u>	<u>9.754 IN<sup>2</sup></u>
Planform	<u>4400 FT<sup>2</sup></u>	<u>50.13 IN<sup>2</sup></u>
Wetted	<u>13,450 FT<sup>2</sup></u>	<u>153.4 IN<sup>2</sup></u>
Base	<u>855.3 FT<sup>2</sup></u>	<u>9.754 IN<sup>2</sup></u>

TABLE III (continued)

MODEL COMPONENT: BODY - B6GENERAL DESCRIPTION: BASIC 979-160 BODY WITH CONSTANT  
DECELERATION NOSEDRAWING NUMBER: Model: S.O. 1232-12, 1236-1, -4.DIMENSIONS:FULL-SCALEMODEL SCALE

Length

161.8 FT17.283 IN

Max. Width

33.0 FT3.524 IN

Max. Depth

33.0 FT3.524 IN

Fineness Ratio

4.904.90

Area

Max. Cross-Sectional

855.3 FT<sup>2</sup>9.754 IN<sup>2</sup>

Planform

4820 FT<sup>2</sup>54.95 IN<sup>2</sup>

Wetted

15,000 FT<sup>2</sup>171.5 IN<sup>2</sup>

Base

855.3 FT<sup>2</sup>9.754 IN<sup>2</sup>

TABLE III (continued)

MODEL COMPONENT: V<sub>6</sub>, V<sub>6F</sub>, V<sub>6.1</sub>, V<sub>9</sub>GENERAL DESCRIPTION: BASIC MODEL 979-160 FINSV<sub>6</sub> : CONTOURED, TAPERED, DEFLECTABLEV<sub>6F</sub> : SIMILAR TO V<sub>6</sub>, WITH 2-COMPONENT BALANCEV<sub>9</sub> : SLAB-SIDED, CONSTANT THICKNESS, NON-DEFLECTABLEV<sub>6.1</sub> : SAME AS V<sub>6</sub>, WITH FIN BASE RELIEVED TO ACCOMMODATE DRAG PETALS.DRAWING NUMBER: S.O. 1236-7, -21, -29DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area (exposed)	<u>675 FT<sup>2</sup></u>	<u>7.70 IN<sup>2</sup></u>
Span (equivalent)	<u>76.8 FT</u>	<u>8.20 IN</u>
Inb'd equivalent chord	<u>31.7 FT</u>	<u>3.382 IN</u>
Outb'd equivalent chord	<u>9.51 FT</u>	<u>1.016 IN</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>          </u>	<u>          </u>
At Outb'd equiv. chord	<u>          </u>	<u>          </u>
Sweep Back Angles, degrees		
Leading Edge	<u>30</u>	<u>30</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>—</u>	<u>—</u>
Area Moment (Normal to hinge line)	<u>          </u>	<u>          </u>

TABLE III (continued)

MODEL COMPONENT: V<sub>3</sub>GENERAL DESCRIPTION: BASIC MODEL 979-066 FINS TO  
MOUNT ON SHROUD S<sub>2</sub>DRAWING NUMBER: S.O. 1232-5

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>445 FT<sup>2</sup></u>	<u>4.80 IN<sup>2</sup></u>
Span (equivalent)	<u>48.1 FT</u>	<u>5.14 IN</u>
Inb'd equivalent chord	<u>28.2 FT</u>	<u>3.01 IN</u>
Outb'd equivalent chord	<u>9.7 FT</u>	<u>1.04 IN</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>—</u>	<u>—</u>
At Outb'd equiv. chord	<u>—</u>	<u>—</u>
Sweep Back Angles, degrees		
Leading Edge	<u>37.5</u>	<u>37.5</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>—</u>	<u>—</u>
Area Moment (Normal to hinge line)	<u>—</u>	<u>—</u>

TABLE III (continued)

MODEL COMPONENT: V7GENERAL DESCRIPTION: ALTERNATE FINS TO MOUNT ON  
ALTERNATE SHROUD S4DRAWING NUMBER: SO. 1236-26, -27DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area (exposed)	<u>565 FT<sup>2</sup></u>	<u>7.87 IN<sup>2</sup></u>
Span (equivalent)	<u>74 FT</u>	<u>7.92 IN</u>
Inb'd equivalent chord	<u>38 FT</u>	<u>4.05 IN</u>
Outb'd equivalent chord	<u>12.9 FT</u>	<u>1.38 IN</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>—</u>	<u>—</u>
At Outb'd equiv. chord	<u>—</u>	<u>—</u>
Sweep Back Angles, degrees		
Leading Edge	<u>30</u>	<u>31.7</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>—</u>	<u>—</u>
Area Moment (Normal to hinge line)	<u>—</u>	<u>—</u>

TABLE III (continued)

MODEL COMPONENT: V8GENERAL DESCRIPTION: ALTERNATE RECTANGULAR FINSDRAWING NUMBER: S.O. 1236-30

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area (exposed)	<u>675 FT<sup>2</sup></u>	<u>7.69 IN<sup>2</sup></u>
Span (equivalent)	<u>76.8 FT</u>	<u>8.20 IN</u>
Inb'd equivalent chord	<u>20.19 FT</u>	<u>2.156 IN</u>
Outb'd equivalent chord	<u>20.19 FT</u>	<u>2.156 IN</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>—</u>	<u>—</u>
At Outb'd equiv. chord	<u>—</u>	<u>—</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0</u>	<u>0</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>—</u>	<u>—</u>
Area Moment (Normal to hinge line)	<u>—</u>	<u>—</u>

TABLE III (continued)

MODEL COMPONENT: F<sub>1</sub>GENERAL DESCRIPTION: 45° FIN FLARING (SPLIT RUDDER)  
MOUNTED ON AFT PORTION OF FIN V3DRAWING NUMBER: S.O. 1232-9DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>110 FT<sup>2</sup></u>	<u>1.25 IN<sup>2</sup></u>
Span (equivalent)	<u>18.6 FT</u>	<u>1.99 IN</u>
Inb'd equivalent chord	<u>8.9 FT</u>	<u>0.95 IN</u>
Outb'd equivalent chord	<u>2.8 FT</u>	<u>.30 IN</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.37</u>	<u>0.37</u>
At Outb'd equiv. chord	<u>.29</u>	<u>.29</u>
Sweep Back Angles, degrees		
Leading Edge	<u>          </u>	<u>          </u>
Tailing Edge	<u>          </u>	<u>          </u>
Hingeline	<u>16</u>	<u>16</u>
Area Moment (Normal to hinge line)	<u>          </u>	<u>          </u>

TABLE III (continued)

MODEL COMPONENT: F2.1GENERAL DESCRIPTION: 75° FIN FLARING MOUNTED AT L.E.  
OF FIN V3DRAWING NUMBER: S.O. 1232-11

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>120 FT<sup>2</sup></u>	<u>1.34 IN<sup>2</sup></u>
Span (equivalent)	<u>18.6 FT</u>	<u>1.99 IN</u>
Inb'd equivalent chord	<u>9.4 FT</u>	<u>1.00 IN</u>
Outb'd equivalent chord	<u>3.3 FT</u>	<u>0.35 IN</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.43</u>	<u>0.43</u>
At Outb'd equiv. chord	<u>.34</u>	<u>.34</u>
Sweep Back Angles, degrees		
Leading Edge	<u>          </u>	<u>          </u>
Tailing Edge	<u>          </u>	<u>          </u>
Hingeline	<u>37.5</u>	<u>37.5</u>
Area Moment (Normal to hinge line)	<u>          </u>	<u>          </u>



TABLE III (continued)

MODEL COMPONENT: F3GENERAL DESCRIPTION: 45° FIN FLARING MOUNTED ON AFT  
PORTION OF FIN VgDRAWING NUMBER:       

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>145 FT<sup>2</sup></u>	<u>1.65 IN<sup>2</sup></u>
Span (equivalent)	<u>30.9 FT</u>	<u>3.30 IN</u>
Inb'd equivalent chord	<u>4.7 FT</u>	<u>0.50 IN</u>
Outb'd equivalent chord	<u>4.7 FT</u>	<u>.50 IN</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.17</u>	<u>0.17</u>
At Outb'd equiv. chord	<u>.49</u>	<u>.49</u>
Sweep Back Angles, degrees		
Leading Edge	<u>      </u>	<u>      </u>
Tailing Edge	<u>      </u>	<u>      </u>
Hingeline	<u>0</u>	<u>0</u>
Area Moment (Normal to hinge line)	<u>      </u>	<u>      </u>

TABLE III (continued)

MODEL COMPONENT: SHROUD - S3GENERAL DESCRIPTION: BASIC ENGINE SHROUD BASED ON MODEL  
979-160DRAWING NUMBER: S.O. 1236-5, -28DIMENSIONS:FULL-SCALEMODEL SCALE

Length

31.7 FT3,382 IN

Max. Width

47.5 FT5,072 IN

Max. Depth

47.5 FT5,072 IN

Fineness Ratio

——

Area

Max. Cross-Sectional

1770 FT<sup>2</sup>20,208 IN<sup>2</sup>Planform (Increment to B<sub>5</sub>)230 FT<sup>2</sup>2,62 IN<sup>2</sup>Wetted (Increment to B<sub>5</sub>)720 FT<sup>2</sup>8.2 IN<sup>2</sup>

Base

1770 FT<sup>2</sup>20,208 IN<sup>2</sup>

TABLE III (continued)

MODEL COMPONENT: SHROUD - S<sub>2</sub>GENERAL DESCRIPTION: ENGINE SHROUD BASED ON MODEL 979-066DRAWING NUMBER: S.O. 1232-7DIMENSIONS:FULL-SCALEMODEL SCALE

Length

26.7 FT2.848 IN

Max. Width

38.3 FT4.094 IN

Max. Depth

38.3 FT4.094 IN

Fineness Ratio

——

Area

Max. Cross-Sectional

1150 FT<sup>2</sup>13.163 IN<sup>2</sup>Planform (Increment to B<sub>5</sub>)70 FT<sup>2</sup>0.81 IN<sup>2</sup>Wetted (Increment to B<sub>5</sub>)240 FT<sup>2</sup>2.7 IN<sup>2</sup>

Base

1150 FT<sup>2</sup>13.163 IN<sup>2</sup>

TABLE III (continued)

MODEL COMPONENT: SHROUD - S4

GENERAL DESCRIPTION: ALTERNATE TRIANGULAR-BASE ENGINE  
SHROUD FOR MODEL 979-160 WITH SIMULATED  
30° AND 75° TRIM TABS

DRAWING NUMBER: S.O. 1236-25, -40DIMENSIONS:FULL-SCALEMODEL SCALE

Length

36.7 FT3.92 IN

Max. Width

45.7 FT4.88 IN

Max. Depth

41.7 FT4.45 IN

Fineness Ratio

——

Area

Max. Cross-Sectional

1290 FT<sup>2</sup>14.75 IN<sup>2</sup>Planform (Increment to B<sub>5</sub>)230 FT<sup>2</sup>2.65 IN<sup>2</sup>Wetted (Increment to B<sub>5</sub>)650 FT<sup>2</sup>7.4 IN<sup>2</sup>

Base

1290 FT<sup>2</sup>14.75 IN<sup>2</sup>

Trim Tab

250 FT<sup>2</sup>2.87 IN<sup>2</sup>

TABLE III (continued)

GENERAL DESCRIPTION: ALTERNATE CONSTANT-DIAMETER ENGINE  
SHROUD FOR MODEL 979-160.

DRAWING NUMBER: S.O. 1236-31

DIMENSIONS:FULL-SCALEMODEL SCALE

Length

31.7 FT3.382 IN

Max. Width

47.5 FT5.072 IN

Max. Depth

47.5 FT5.072 IN

Fineness Ratio

——

Area

Max. Cross-Sectional

1770 FT<sup>2</sup>20.208 IN<sup>2</sup>Planform (Increment to B<sub>5</sub>)440 FT<sup>2</sup>4.98 IN<sup>2</sup>Wetted (Increment to B<sub>5</sub>)1630 FT<sup>2</sup>18.6 IN<sup>2</sup>

Base

1770 FT<sup>2</sup>20.208 IN<sup>2</sup>

TABLE IV  
INDEX OF MODEL FIGURES

FIGURE	DESCRIPTION	PAGE
1.	Installation in BTWT	37
2.	Installation in BSWT	38
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6.	Engine Shrouds S2 and S3	42
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TABLE V  
INDEX OF DATA FIGURES

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
BASIC CONFIGURATION IN PITCH, LOW ALPHA	(A)	MACH	1 - 4
BASIC CONFIGURATION IN PITCH, HIGH ALPHA	(A)	MACH CONFIGURATION	5 - 12
BASIC CONFIGURATION IN YAW, ALPHA = 0 DEGREES	(B)	MACH	13
BASIC CONFIGURATION IN YAW, ALPHA = 7.7 DEGREES	(B)	MACH	14
BASIC CONFIGURATION IN YAW, ALPHA = 10 DEGREES	(B)	MACH	15
BASIC CONFIGURATION IN YAW, ALPHA = 67.5 DEGREES	(B)	MACH	16
BASIC CONFIGURATION IN YAW, ALPHA = 72.5 DEGREES	(B)	MACH	17 - 18
CONFIGURATION BUILDUP IN PITCH, LOW ALPHA	(A) (C) (A) (C)	CONFIGURATION MACH	19 - 30 31 - 39 40 - 51 52 - 60
CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA	(A) (C)	CONFIGURATION MACH	61 - 80 81 - 95
CONFIGURATION BUILDUP IN YAW	(B) (D)	CONFIGURATION	96 97
CONFIGURATION BUILDUP IN YAW	(B) (D)	CONFIGURATION MACH	98 - 99 100 - 101

TABLE V. (CONTINUED)

[illegible]



TABLE V. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
EFFECT OF DRAG PETALS IN YAW	(B) (D)	CONFIGURATION MACH	419 - 423 424 - 428
EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA	(A) (C) (A) (C)	CONFIGURATION MACH	429 - 440 441 - 449 450 - 461 462 - 470
EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA	(E) (C)	MACH	471 - 474 475 - 477
EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA	(A) (C)	CONFIGURATION MACH	478 - 485 486 - 491
EFFECT OF FIN FLARINGS IN YAW	(B) (D) (B) (D)	CONFIGURATION MACH	492 - 493 494 - 495 496 - 498 499 - 501
EFFECT OF FIN FLARINGS IN YAW	(F) (G)	MACH	502 - 504 505 - 507
EFFECT OF FINS IN PITCH, BLUNT SHROUD	(A) (C)	CONFIGURATION MACH	508 - 515 516 - 521
EFFECT OF TRIM TABS, TRIANGULAR SHROUD	(A) (C)	CONFIGURATION	522 - 525 526 - 528
EFFECT OF FIN - DRAG PETAL COMBINATIONS	(H)	CONFIGURATION	529 - 531
EFFECT OF DRAG PETALS	(H)	CONFIGURATION	532 - 534
EFFECT OF FIN FLARINGS	(H)	CONFIGURATION	535 - 537

TABLE V. (CONTINUED)

TITLE	PILOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
FIN EFFECTIVENESS IN PITCH	(A) (C) (A) (C) (A) (C)	CONFIGURATION DELTAV MACH	538-565 566-586 587-602 603-614 615-622 623-628
FIN EFFECTIVENESS IN YAW	(B) (D)	DELTAV MACH	629-630 631-632
FIN HINGE MOMENTS IN PITCH	(I)	MACH	633
FIN HINGE MOMENTS IN PITCH	(I)	DELTAV MACH	634-644
FIN HINGE MOMENTS IN YAW	(J)	MACH ALPHA	645-647
FIN NORMAL FORCE IN PITCH	(K)	MACH	648
FIN NORMAL FORCE IN PITCH	(K)	DELTAV MACH	649-659
FIN NORMAL FORCE IN YAW	(L)	MACH ALPHA	660-662

# PLOTTED COEFFICIENTS SCHEDULE

- (A) CN, CAF, CLM VERSUS ALPHA  
CN VERSUS CLM
- (B) CY, CYN, CBL VERSUS BETA
- (C) CBL, CYN, CY VERSUS ALPHA
- (D) CN, CAF, CLM VERSUS BETA
- (E) CN, CA, CLM VERSUS ALPHA  
CN VERSUS CLM
- (F) CBL, CYN, CY VERSUS BETA
- (G) CN, CA, CLM VERSUS BETA
- (H) CN, CAF, CLM VERSUS MACH
- (I) CLMH VERSUS ALPHA
- (J) CLMH VERSUS BETA
- (K) CNFIN VERSUS ALPHA
- (L) CNFIN VERSUS BETA

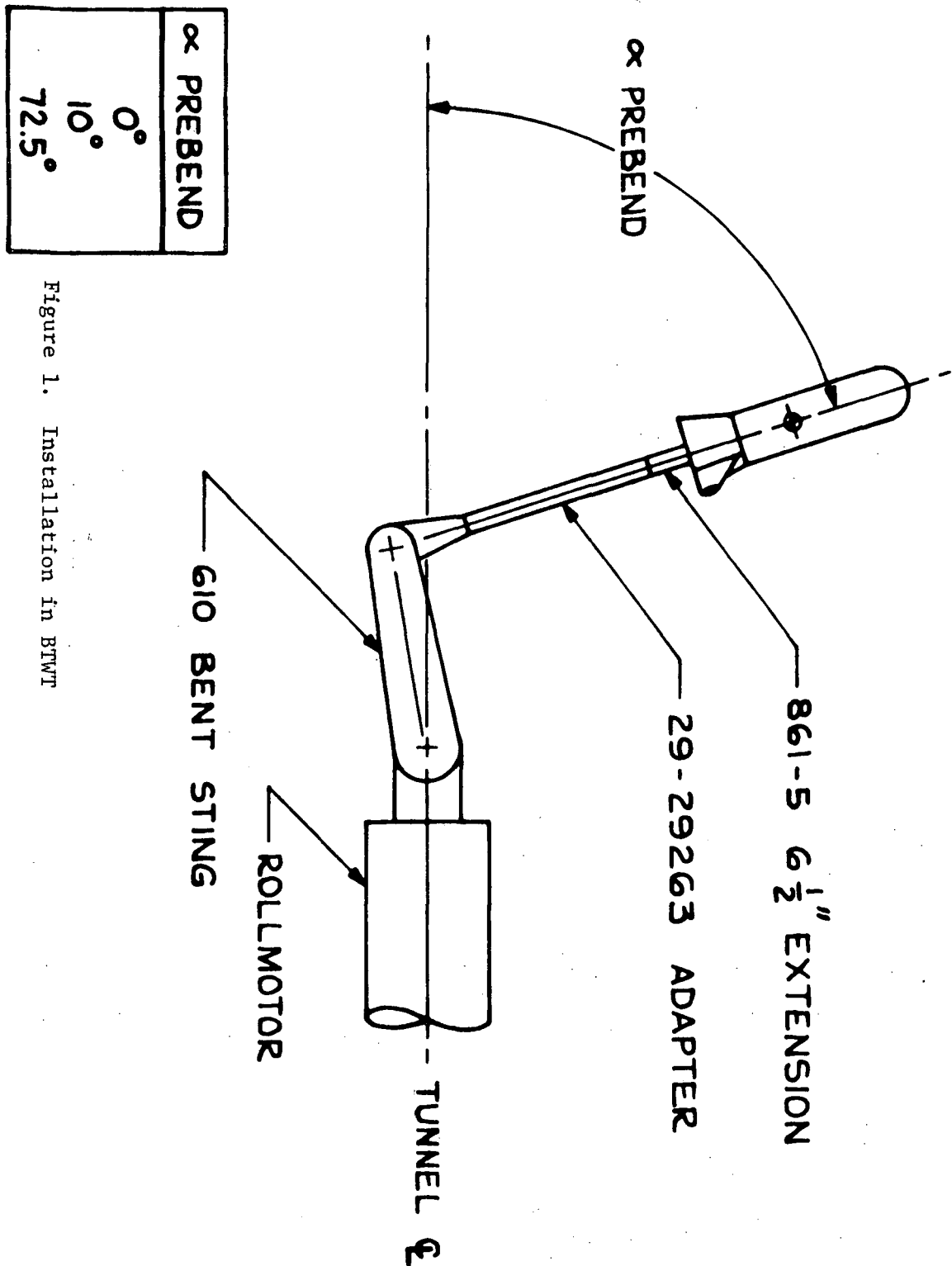
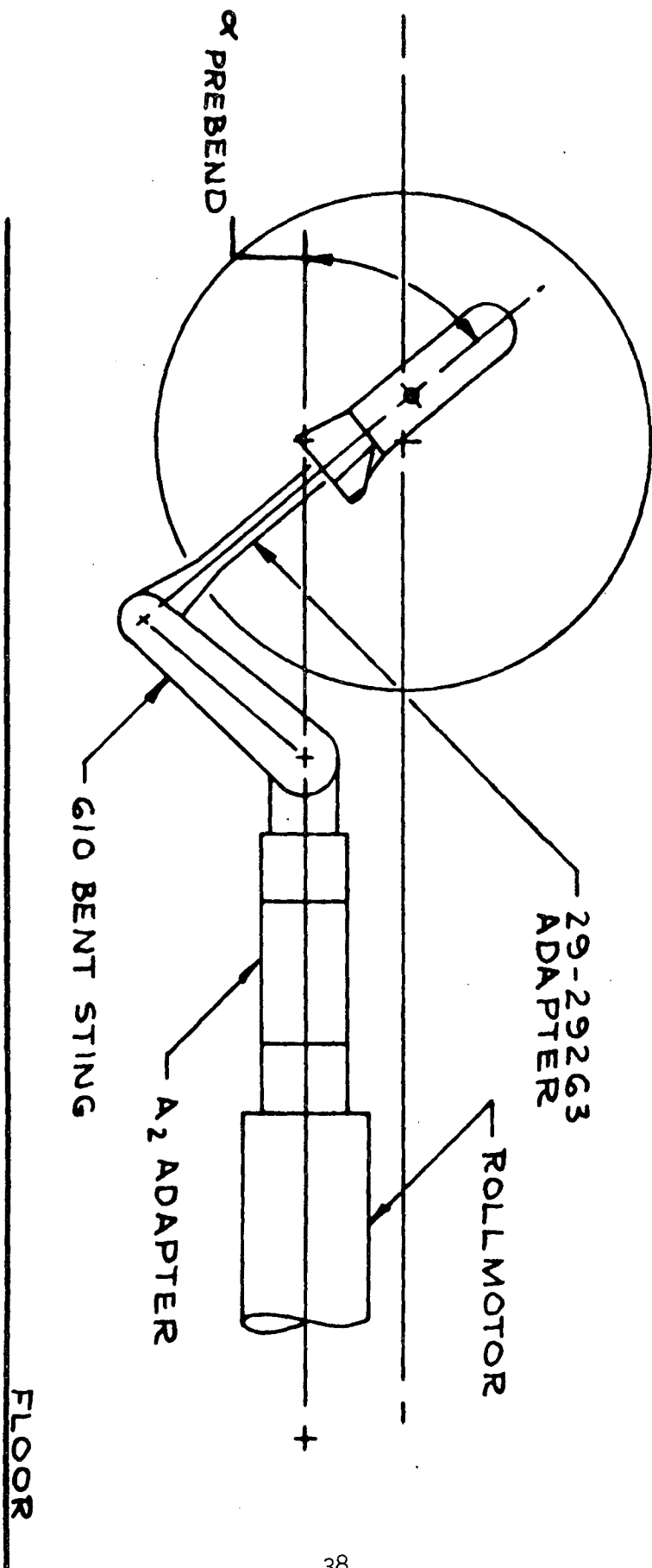


Figure 1. Installation in BTWT

CEILING



$\alpha$ PREBEND	
0°	
7.75°	
67.5°	
72.5°	

Figure 2. INSTALLATION IN BSWT

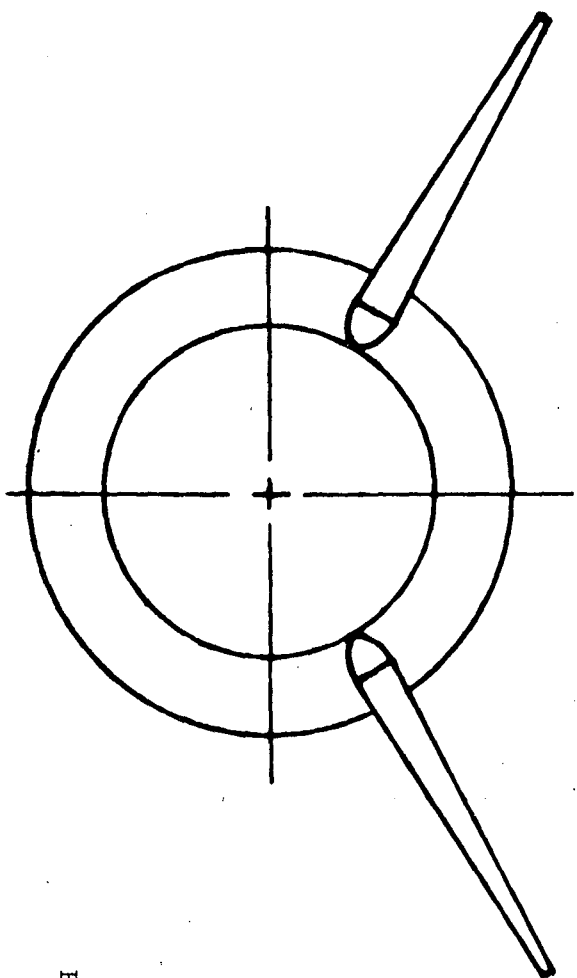
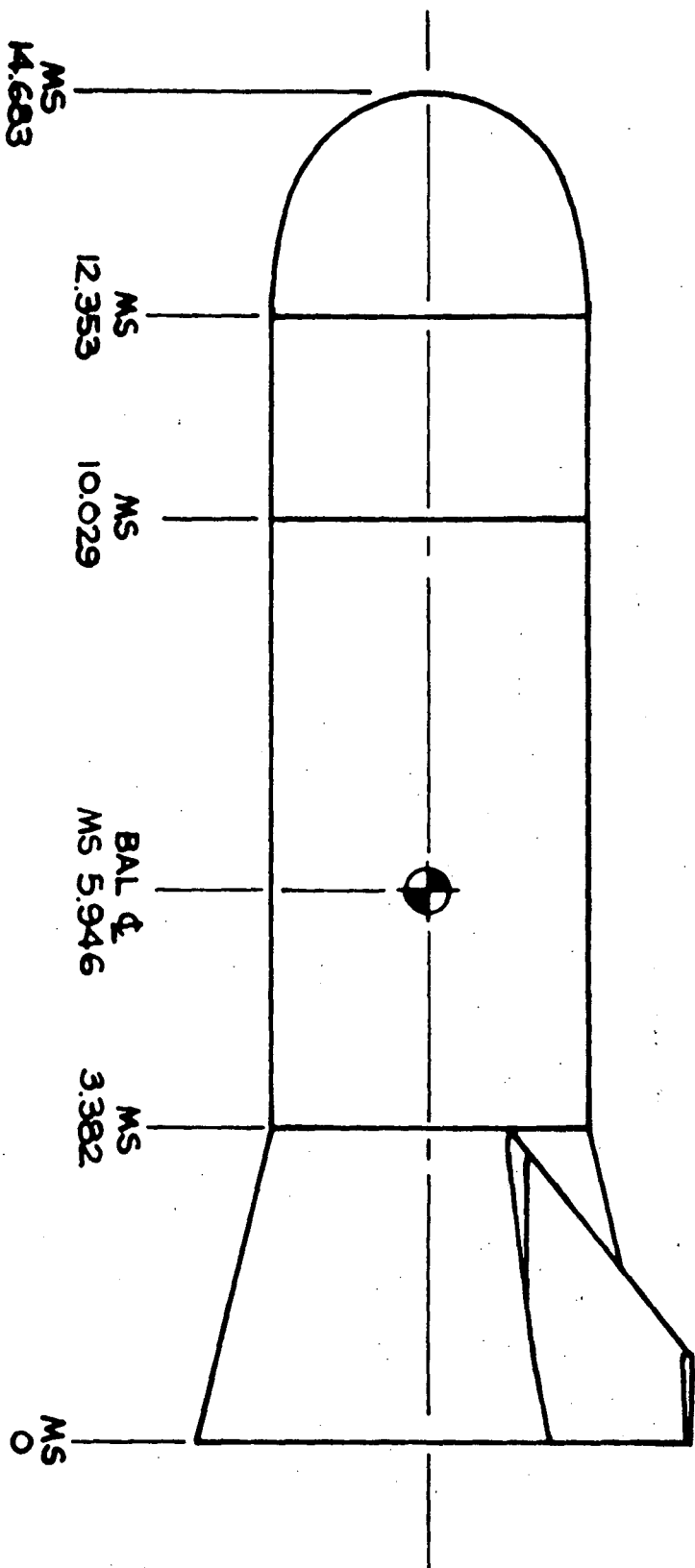
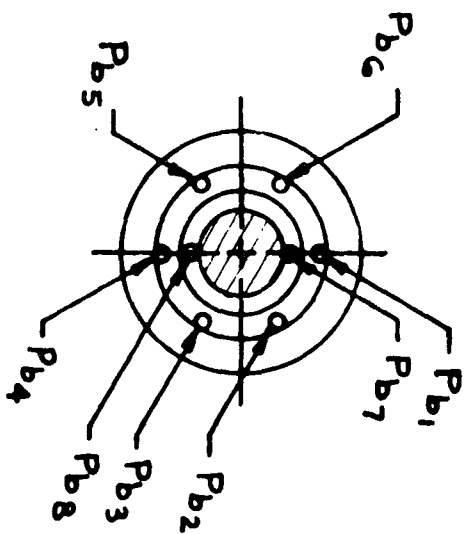
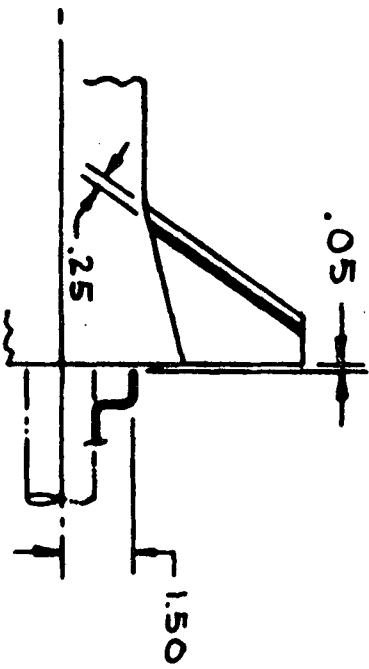
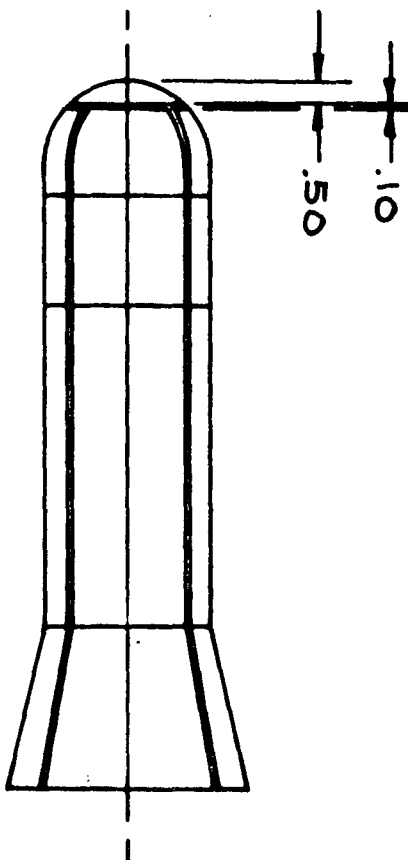
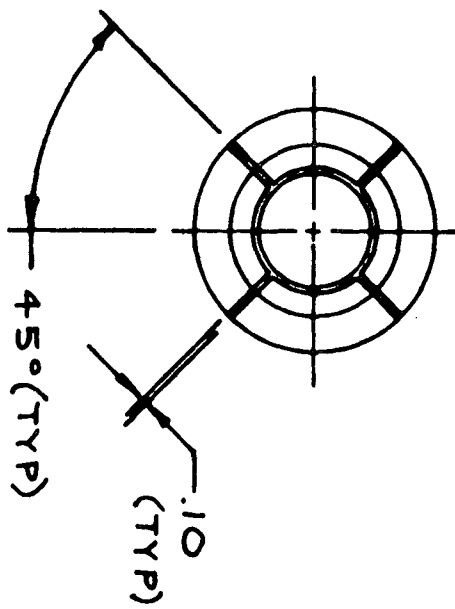


Figure 3. CONFIG. B5S3V6

T.S.: #180 GRIT; 150-180 GRAINS/IN.



TYP FIN

Figure 4. Trip Strips and Base Pressures

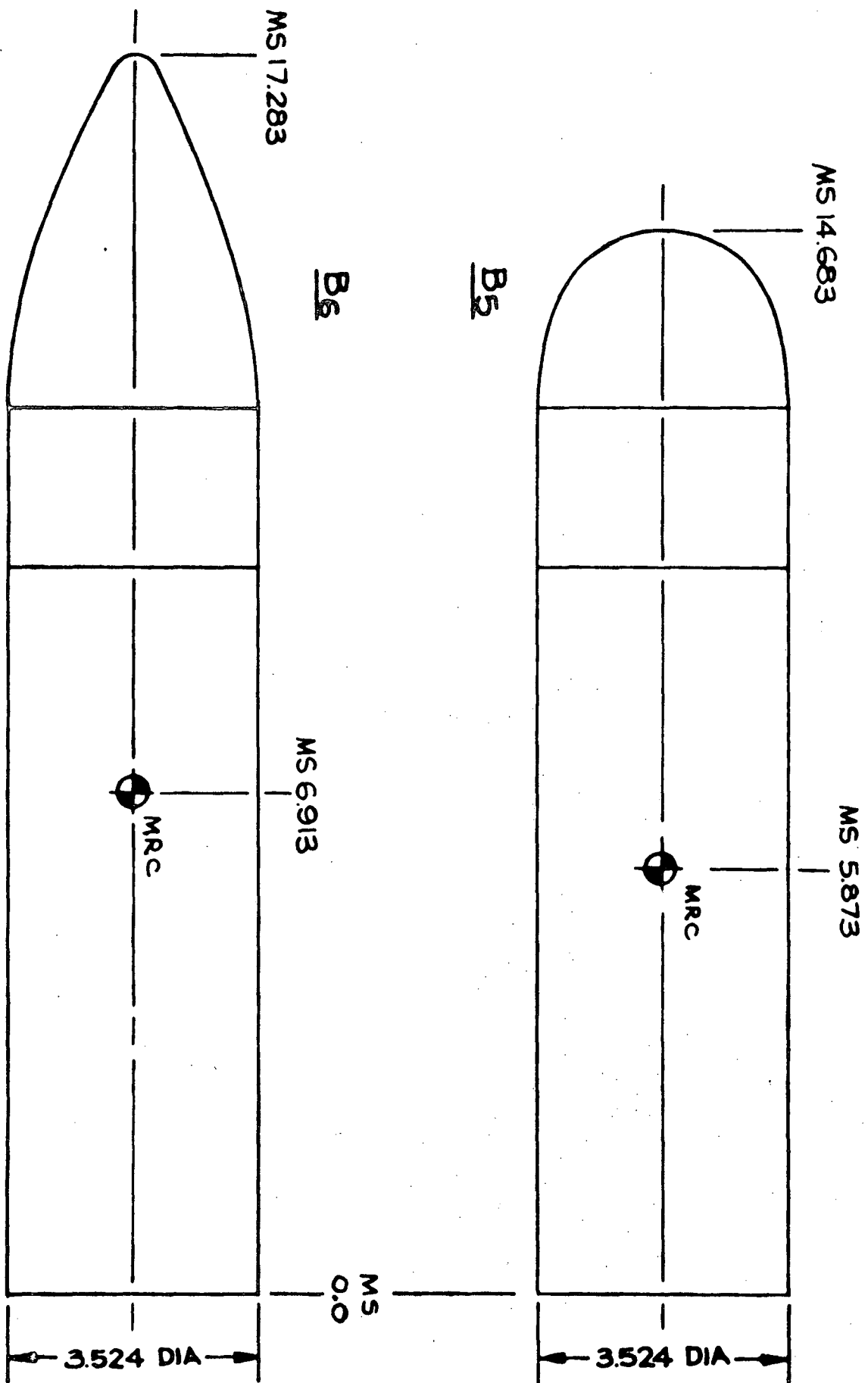
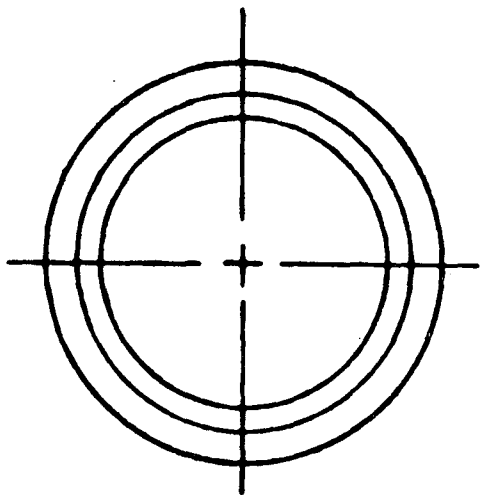
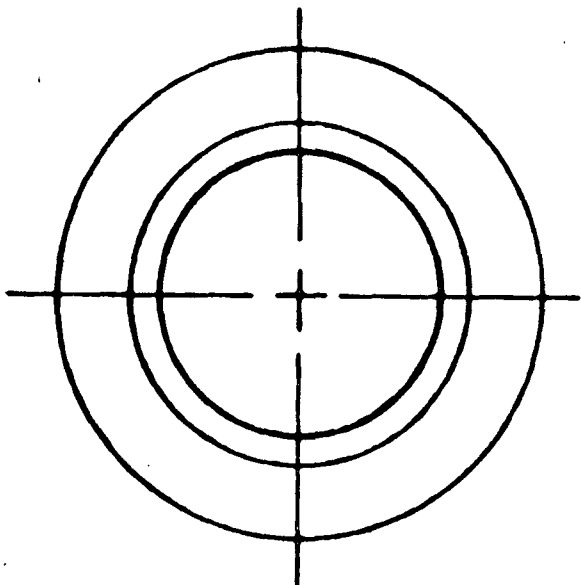
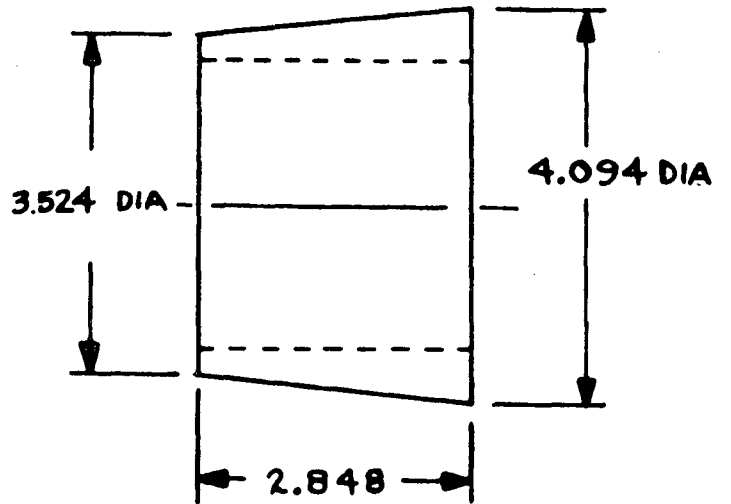


Figure 5. Bodies B5 and B6





S<sub>2</sub>



S<sub>3</sub>

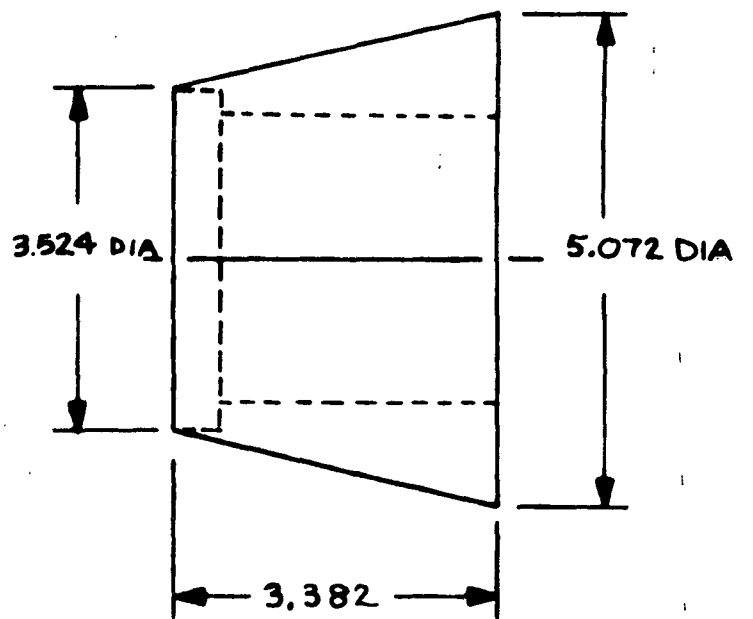


Figure 6. ENGINE SHROUDS S<sub>2</sub> & S<sub>3</sub>

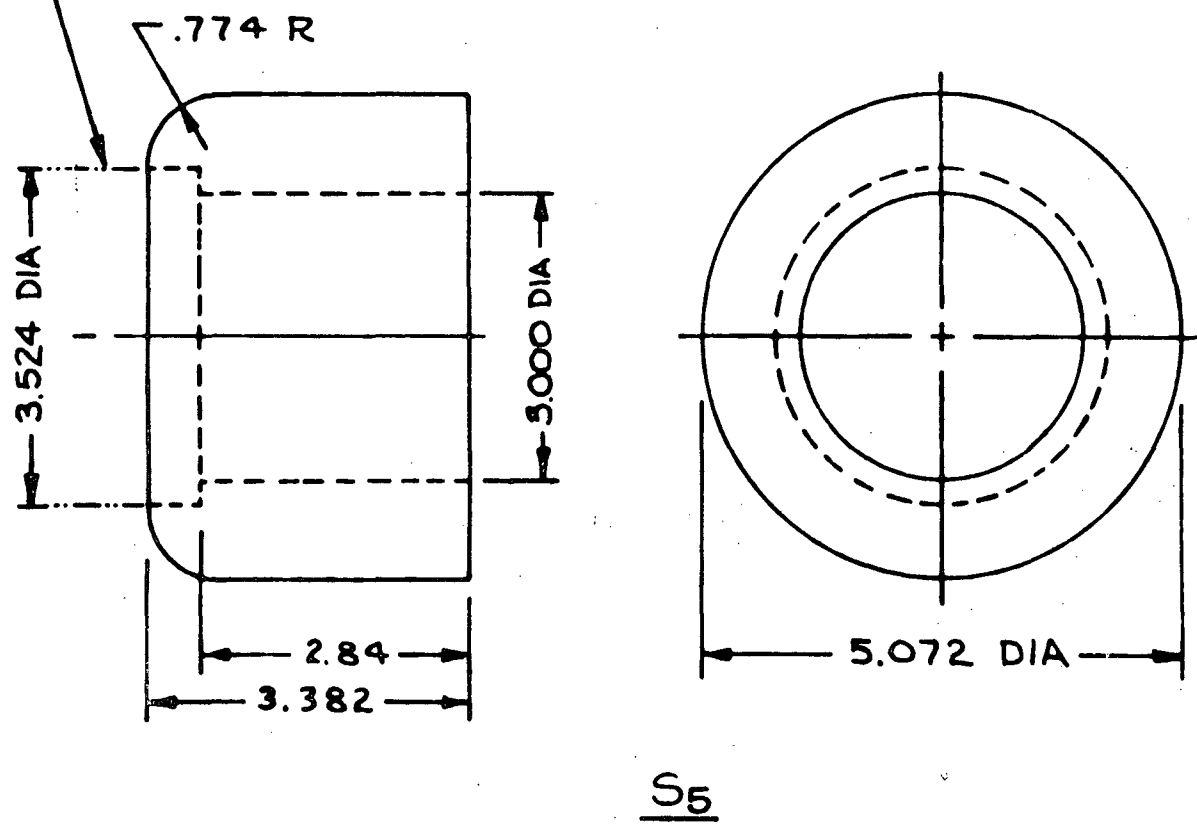
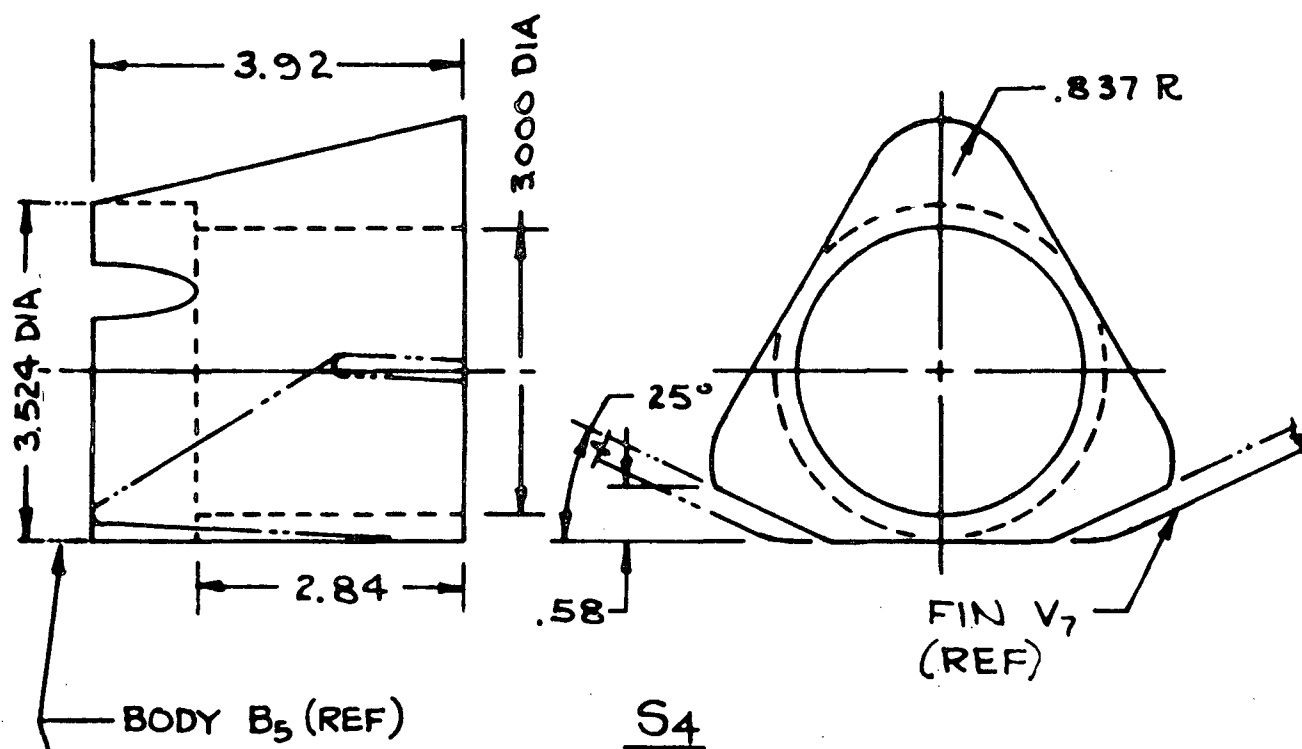


Figure 7. Engine Shrouds S<sub>4</sub> & S<sub>5</sub>

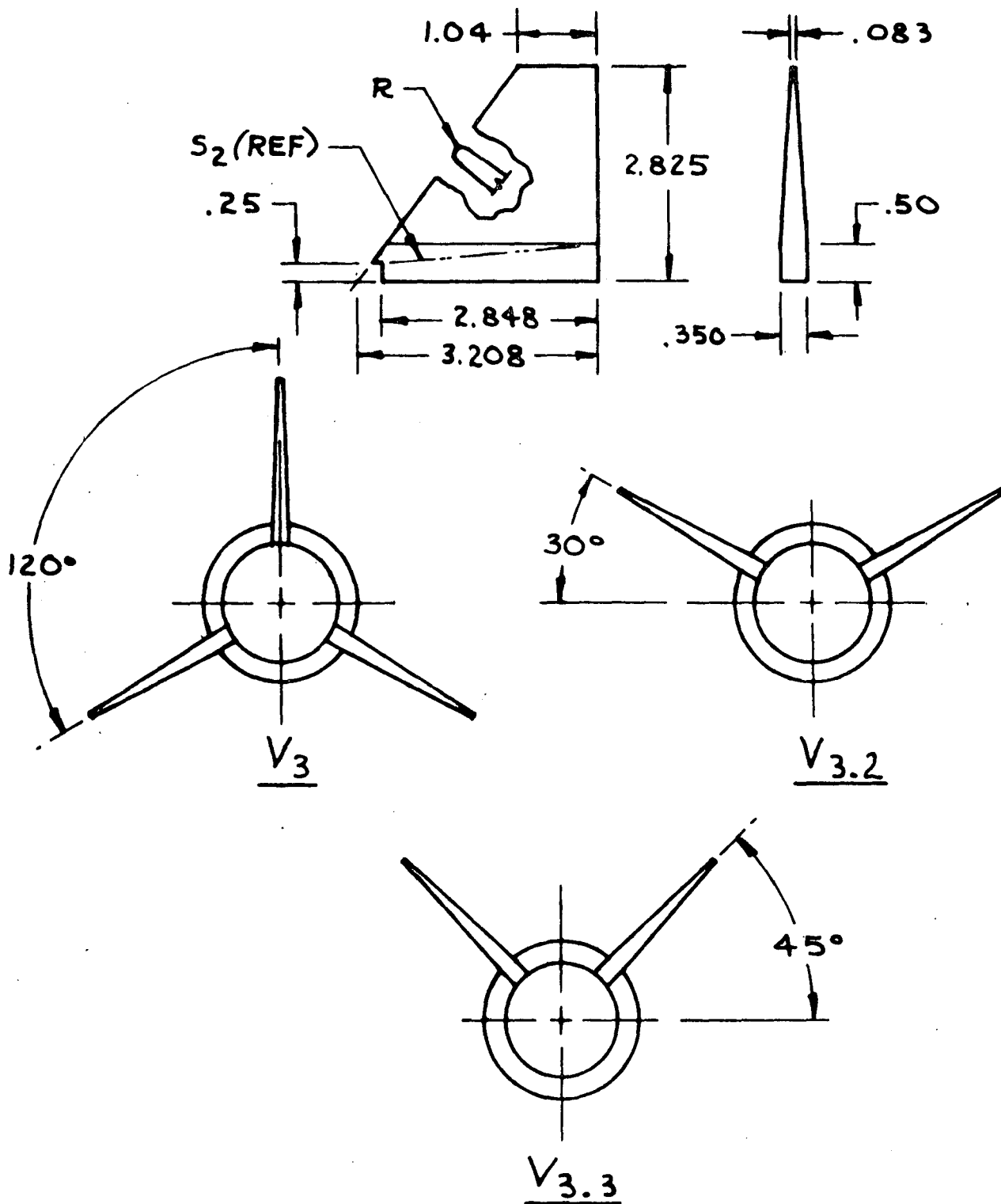


Figure 8. Fin  $V_3$

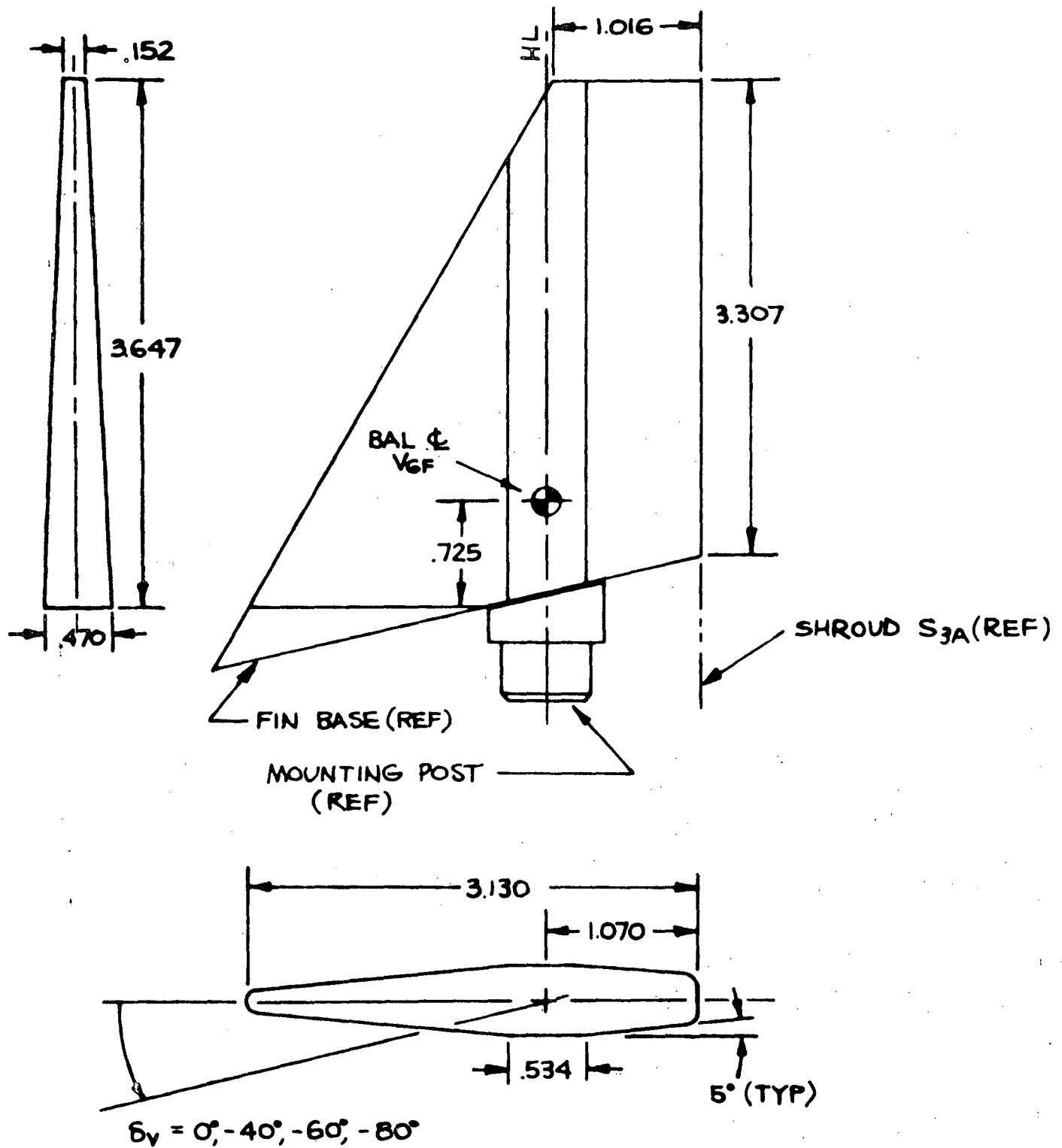


Figure 9. Fin V<sub>6</sub> & V<sub>6F</sub>

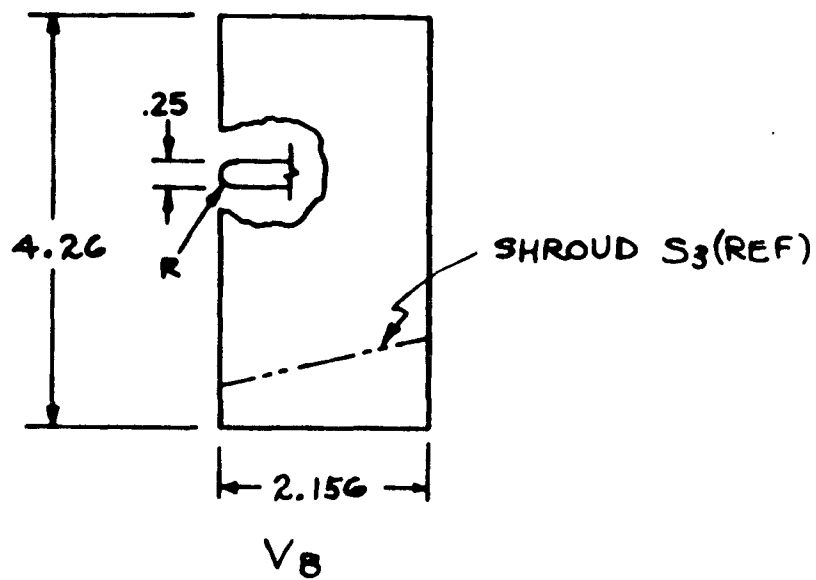
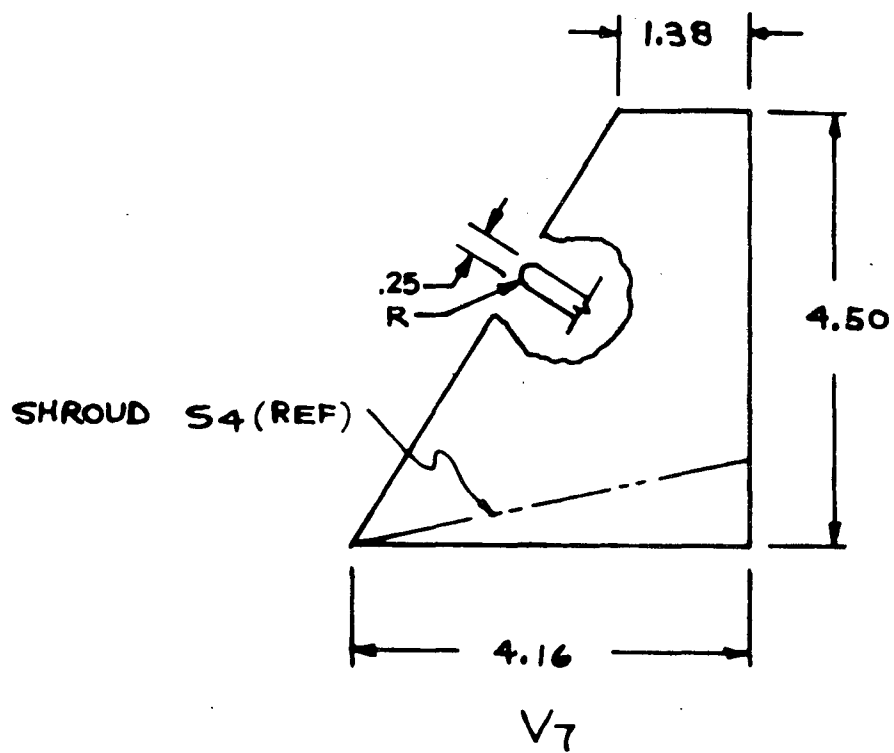


Figure 10. Fins V7 & V8

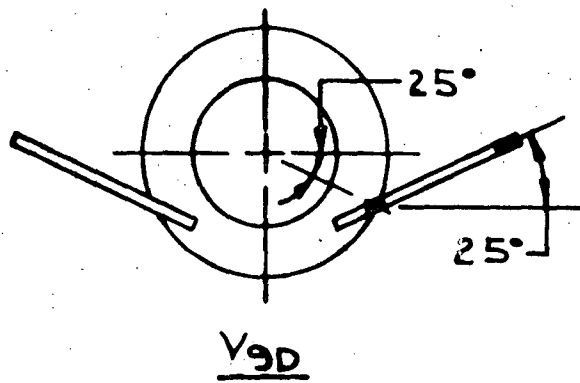
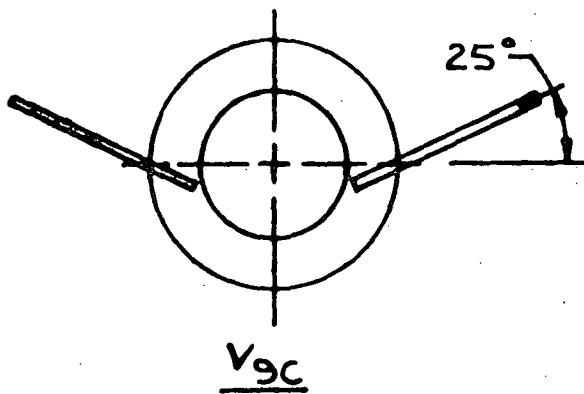
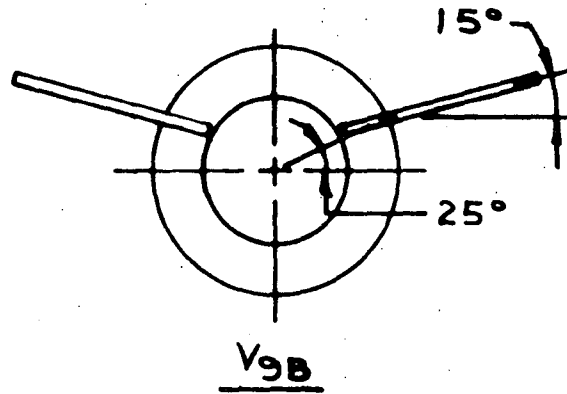
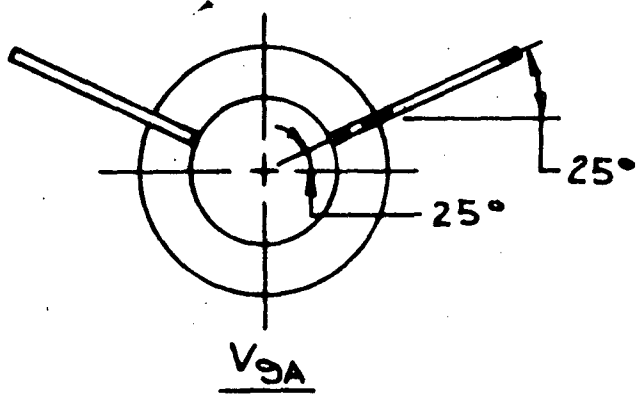
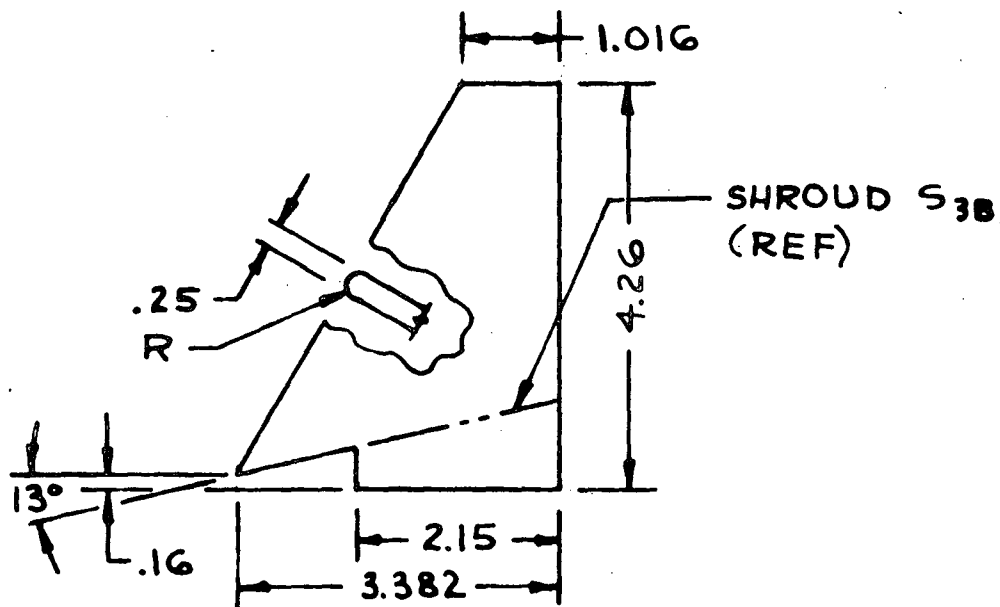
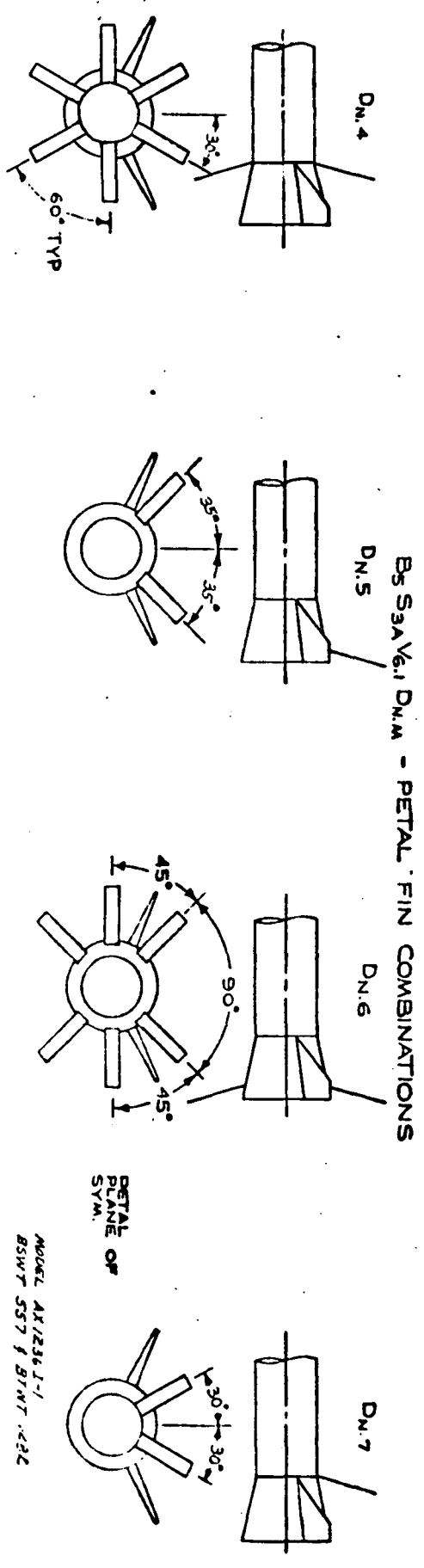
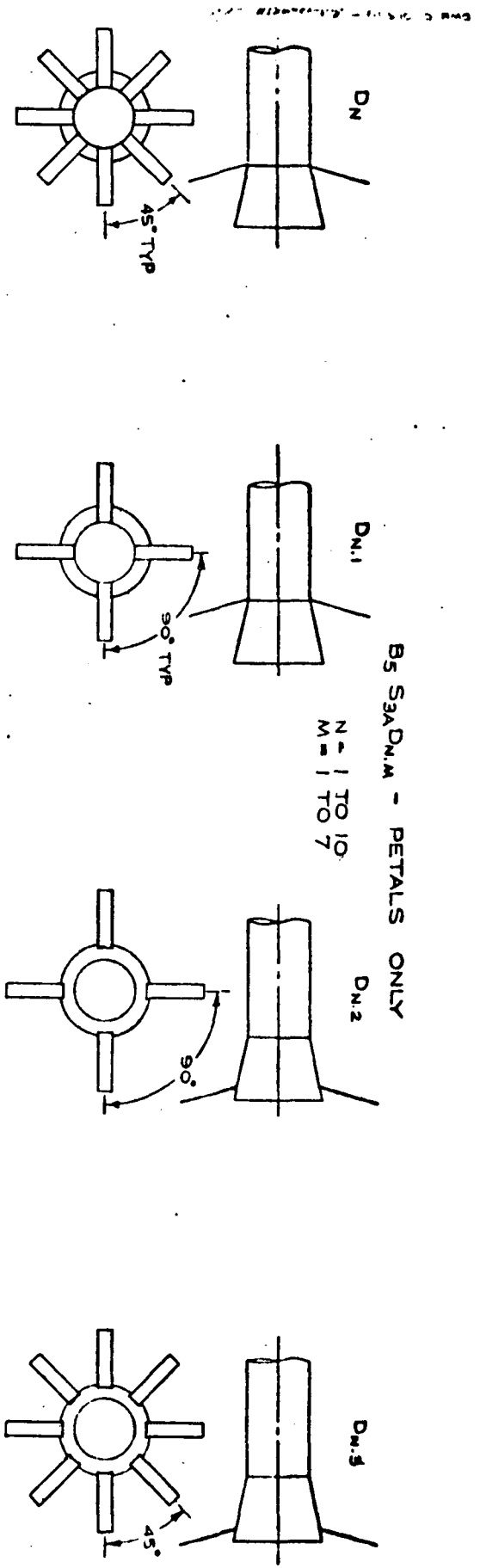


Figure 11. Fin V<sub>9</sub>



MODEL AR/236J-1  
BSWT 557 & BWT 422

Figure 12. Drag Petal Axial Location & Arrangement

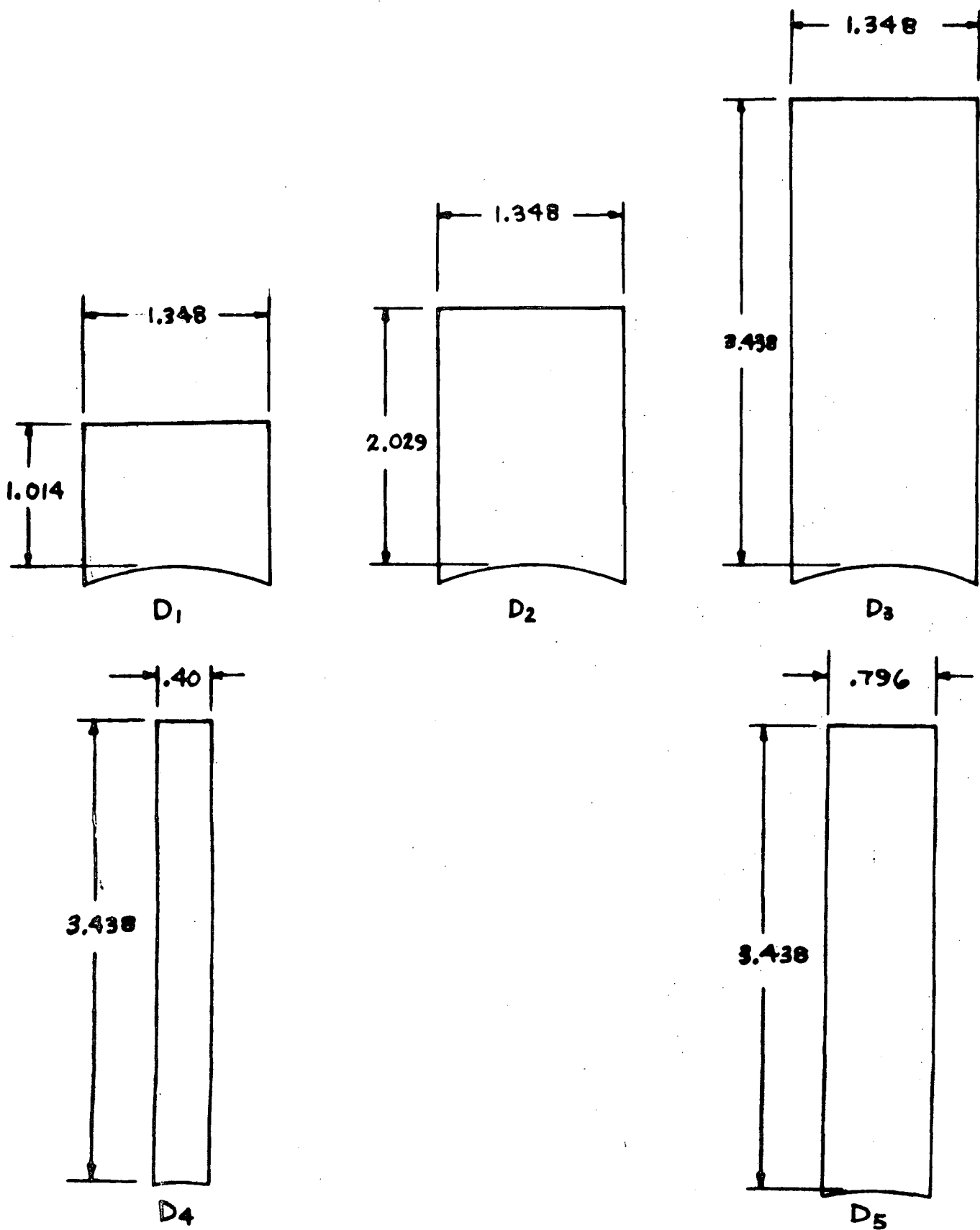


Figure 13. Drag Petal Planforms D<sub>1</sub> through D<sub>5</sub>



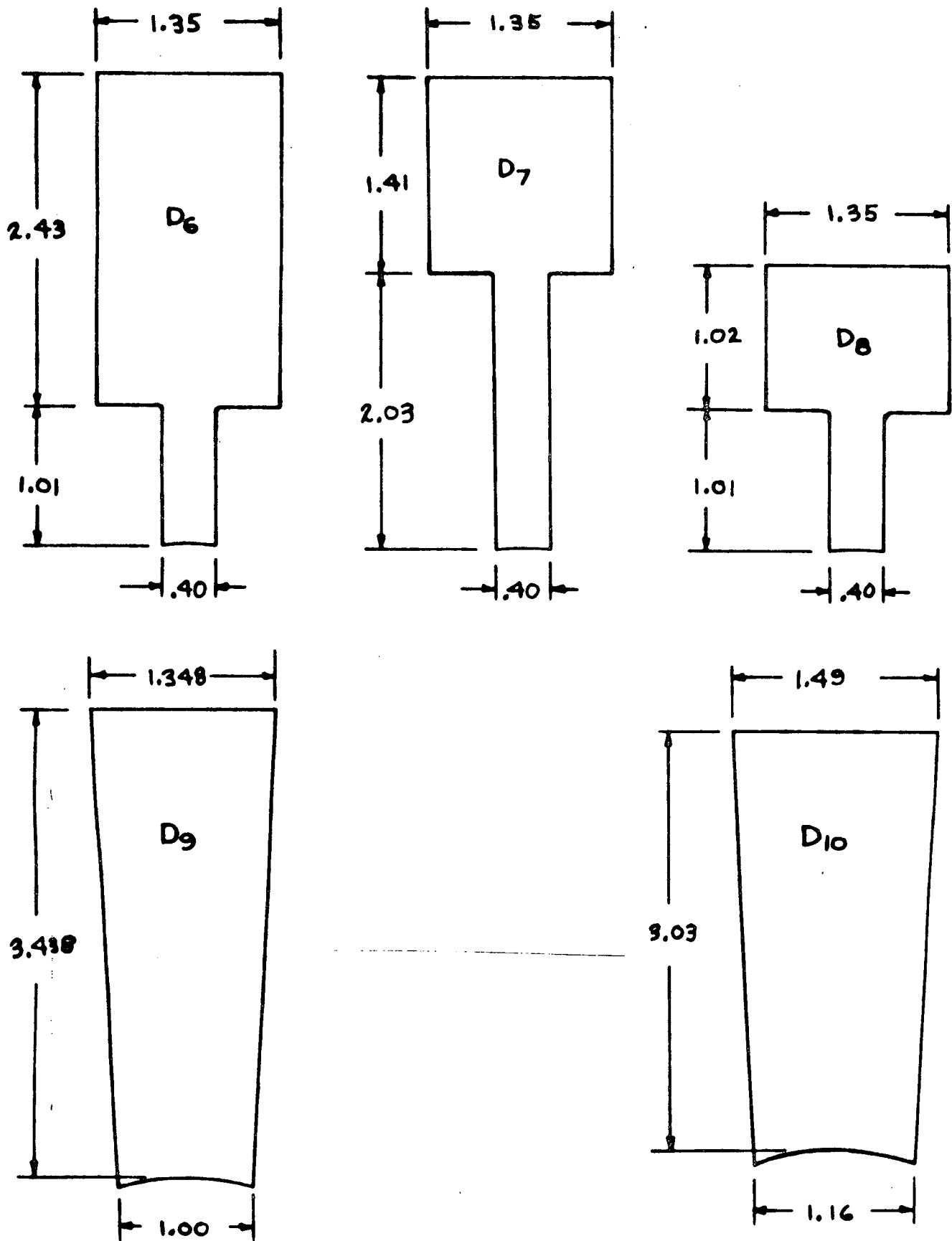
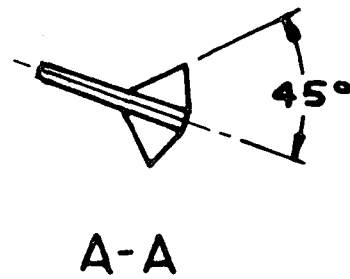
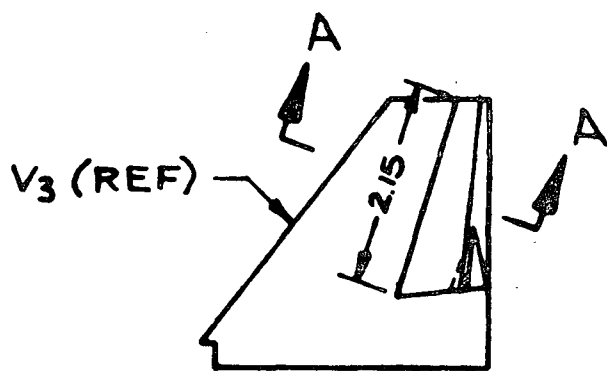
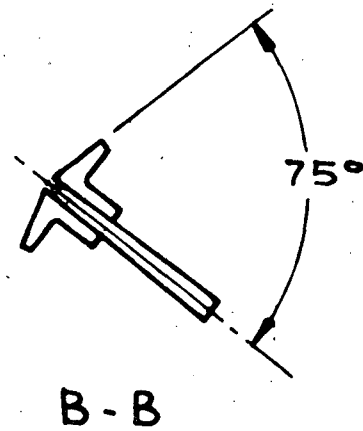
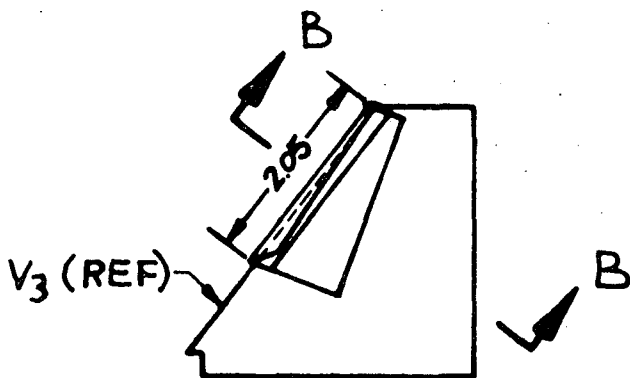


Figure 14. Drag Petal Planforms D<sub>6</sub> through D<sub>10</sub>

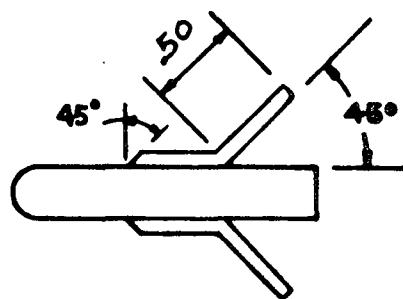
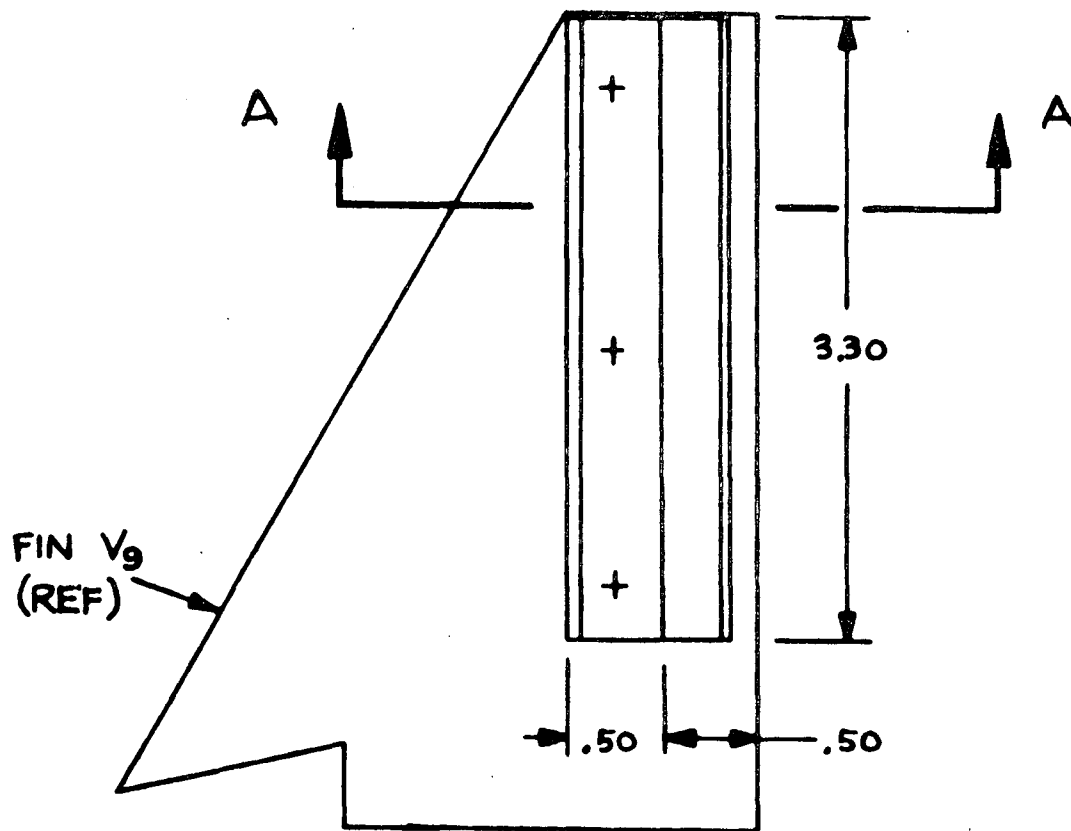


$F_1$



$F_{2.1}$

Figure 15.  $F_1$  and  $F_{2.1}$  Fin Flarings



A - A

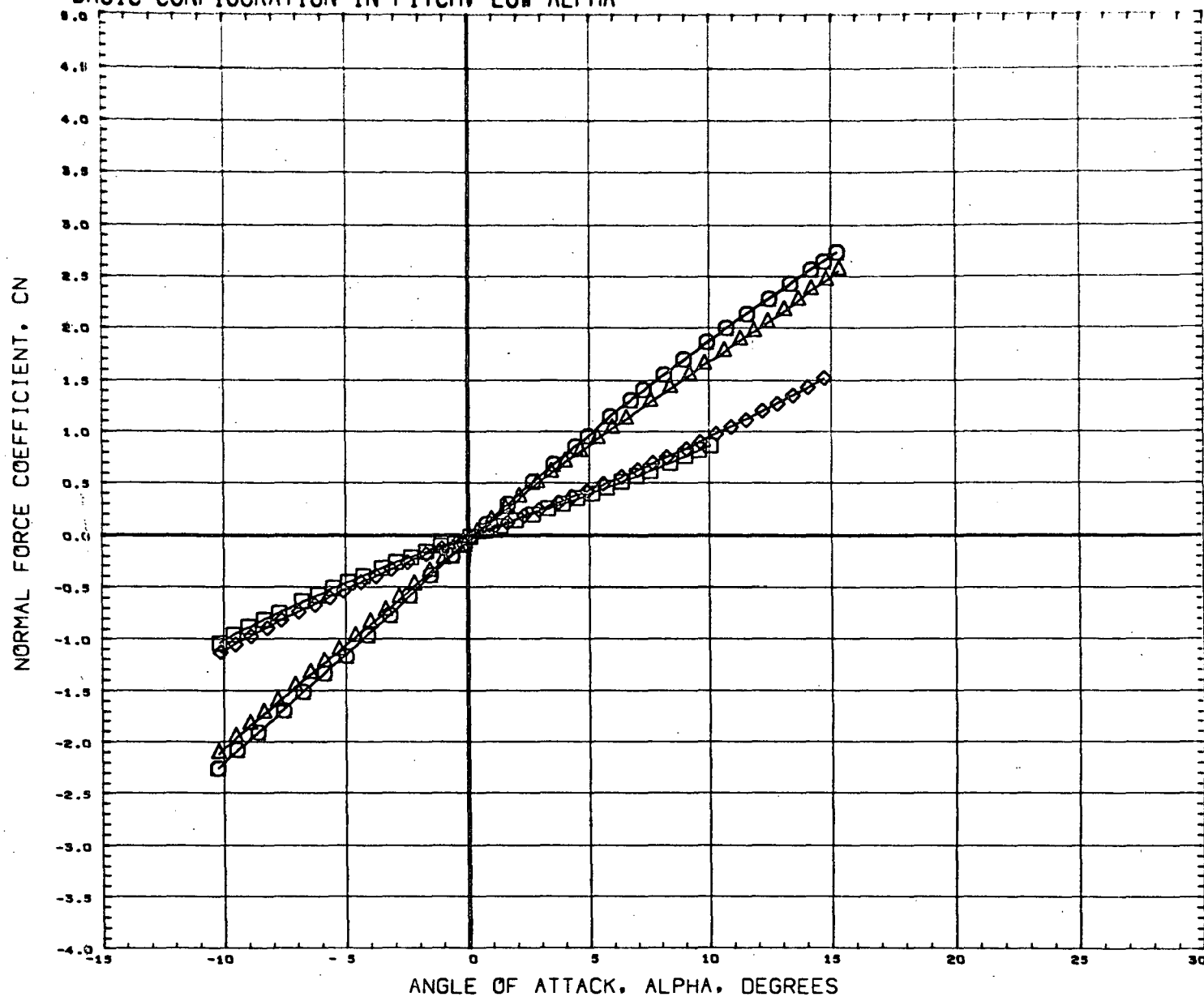
Figure 16. F<sub>3</sub> Fin Flarings

## DATA FIGURES

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Tabulations of the plotted data and corresponding source data are available from SADSAC Operations.

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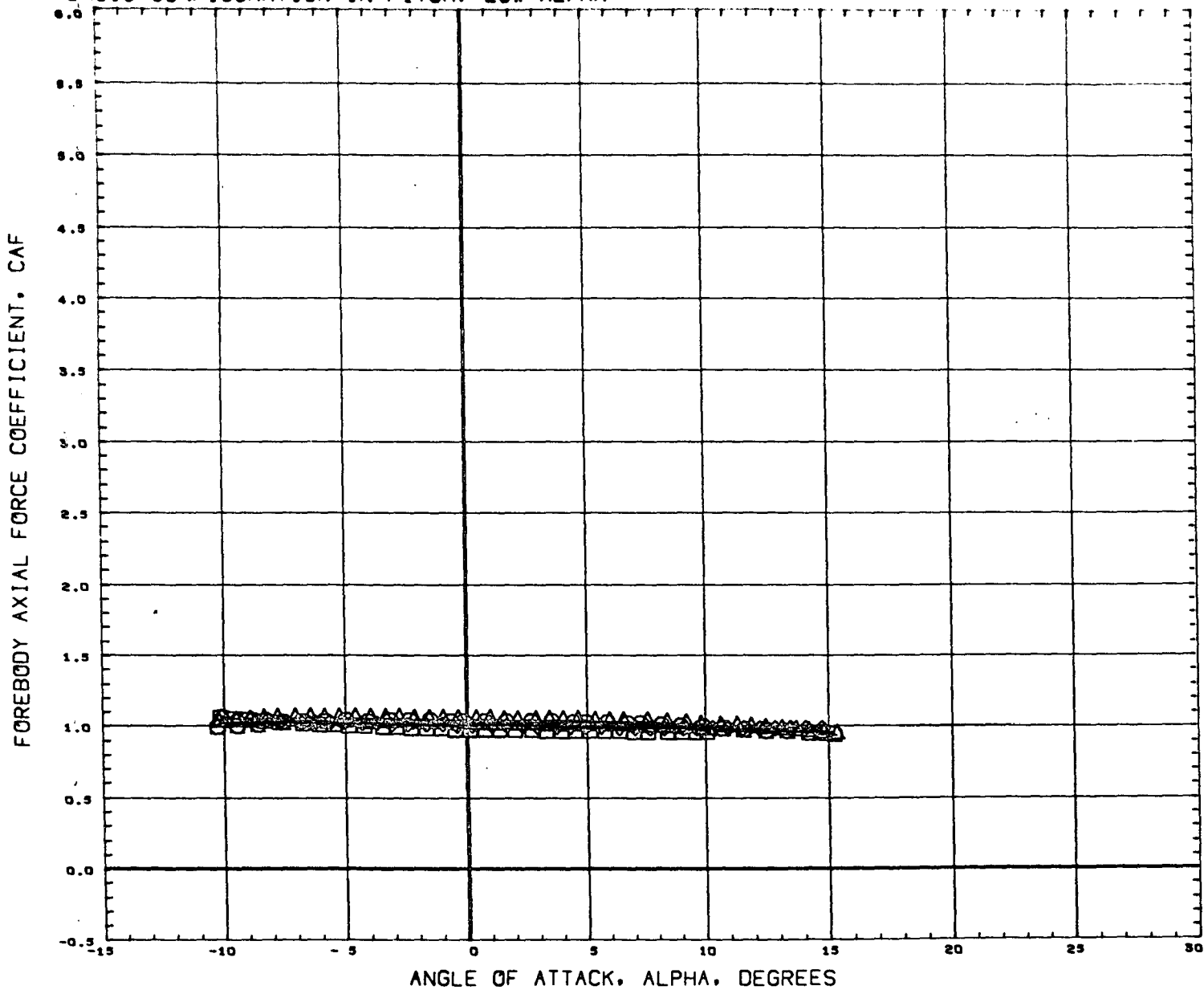


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△	1.600				
◇	3.507				
□	3.983				

REFERENCE FILE

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BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

# BASIC CONFIGURATION IN PITCH, LOW ALPHA



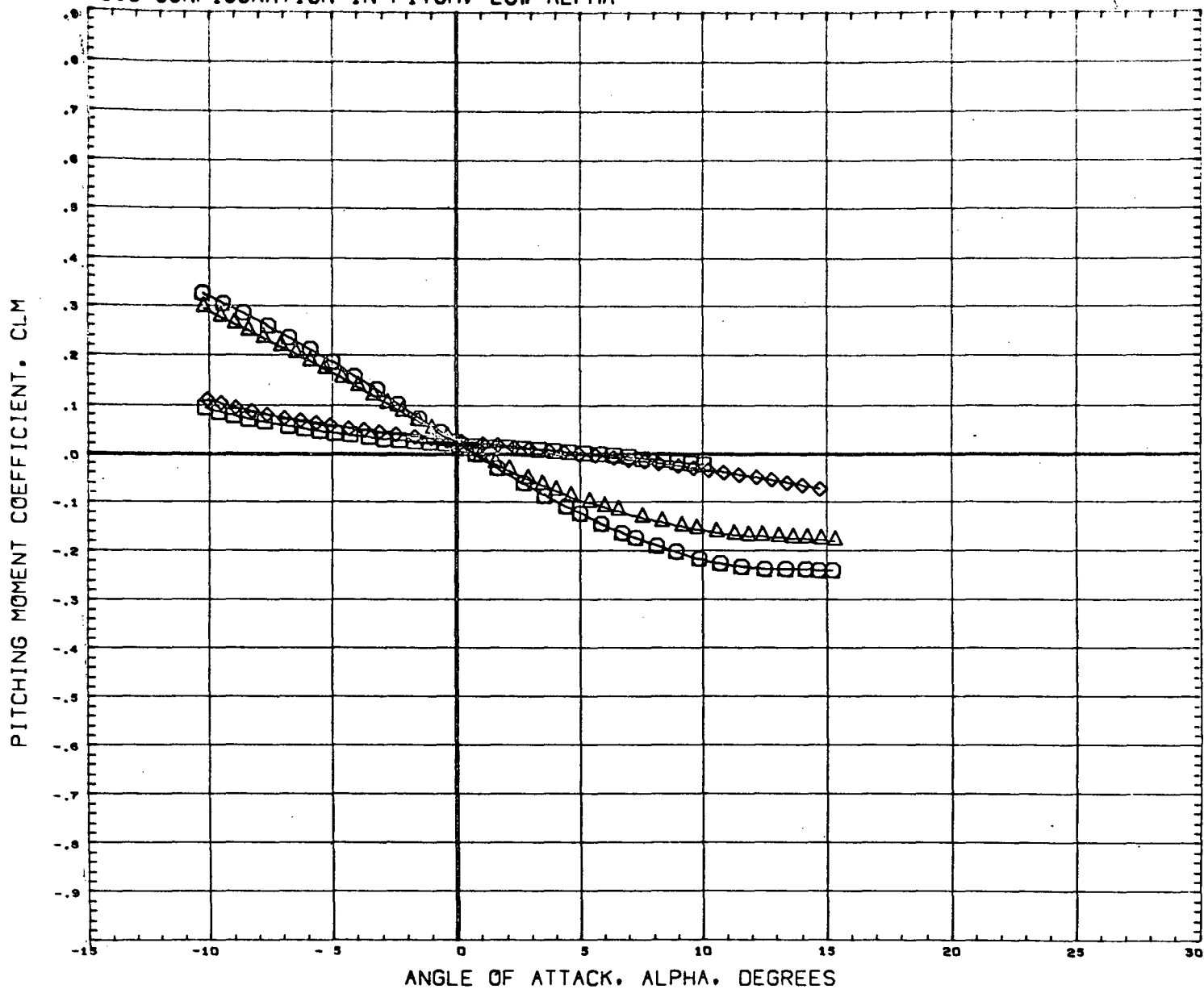
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YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

REFERENCE FILE

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# BASIC CONFIGURATION IN PITCH, LOW ALPHA

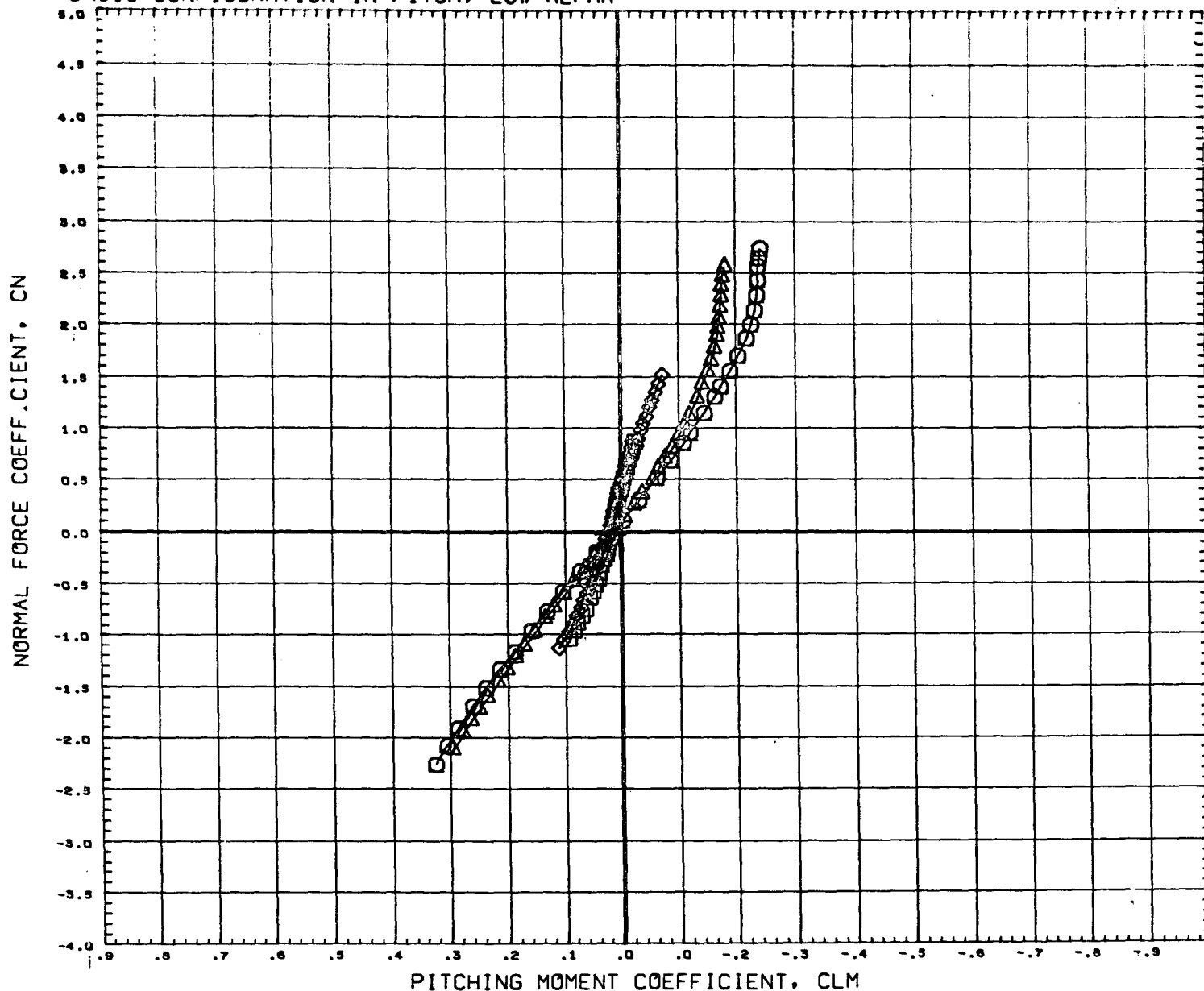


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△	1.600			0.000
◇	3.507			
□	3.983			

REFERENCE FILE

REFERENCE INFORMATION		
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BREF	14.6830	INCHES
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ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

# BASIC CONFIGURATION IN PITCH, LOW ALPHA



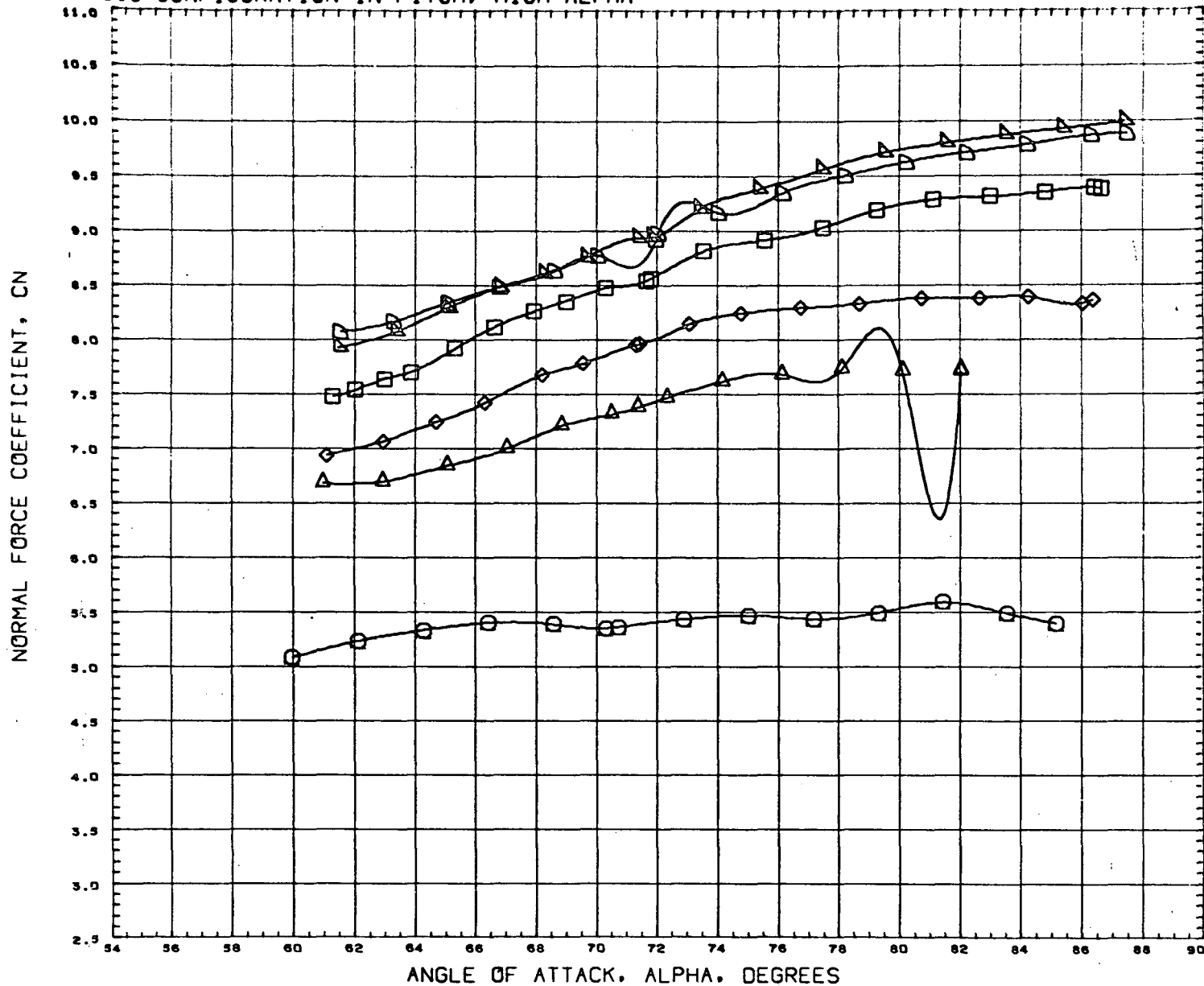
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△	1.600				
◇	3.507				
□	3.983				

REFERENCE FILE

REFERENCE INFORMATION		
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BREF	14.6830	INCHES
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YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT



# BASIC CONFIGURATION IN PITCH, HIGH ALPHA



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◇	0.930				
□	1.001				
▽	1.030				
◻	1.100				

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ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

BTWT 1282/BSWT 557

PR-FED BRB

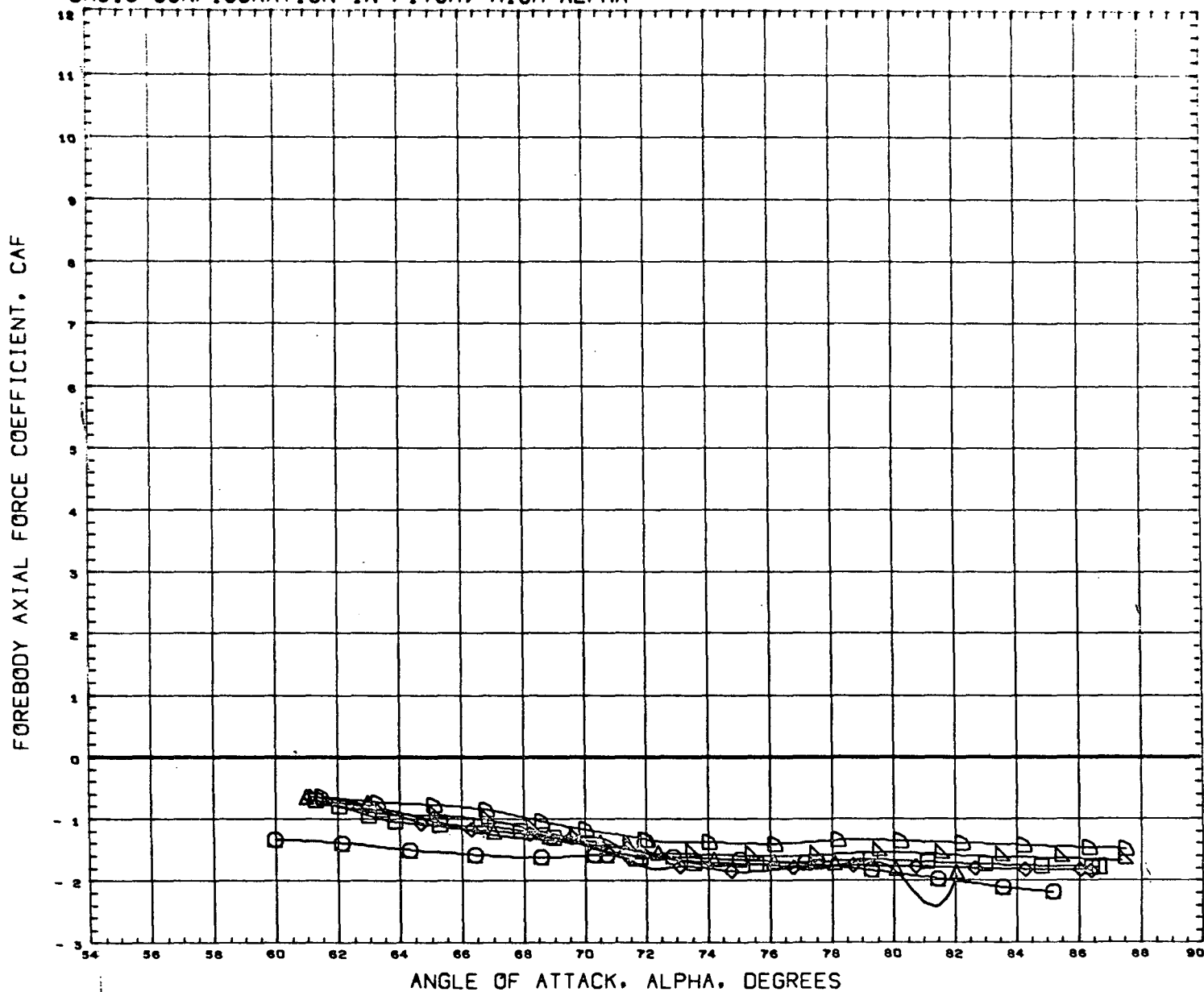
B5S3V6F

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# BASIC CONFIGURATION IN PITCH, HIGH ALPHA

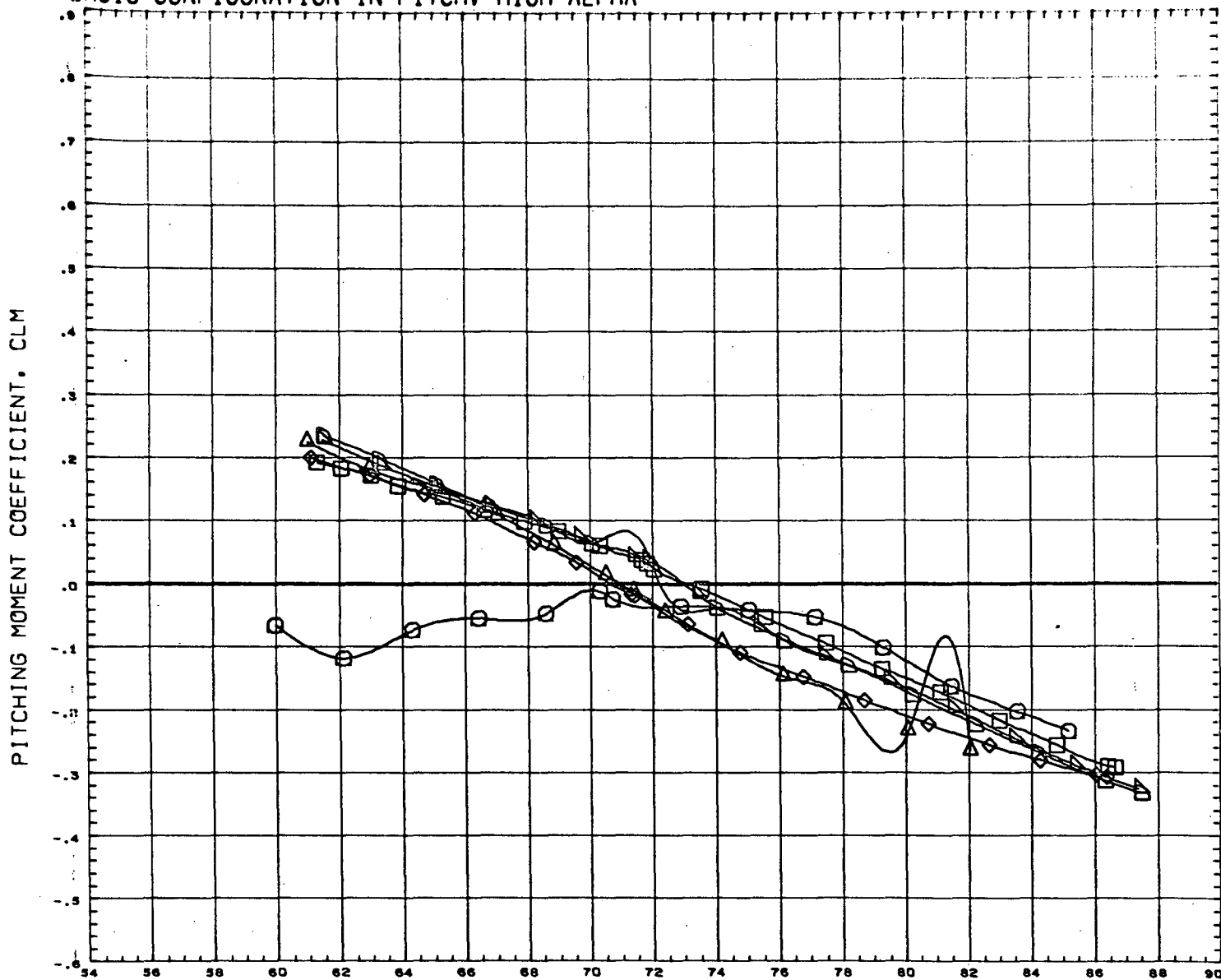


ANGLE OF ATTACK, ALPHA, DEGREES

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◇	0.950				
◇	1.001				
◇	1.050				
◇	1.100				
		DATA HIST. CODE	*G*A		

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ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

# BASIC CONFIGURATION IN PITCH, HIGH ALPHA



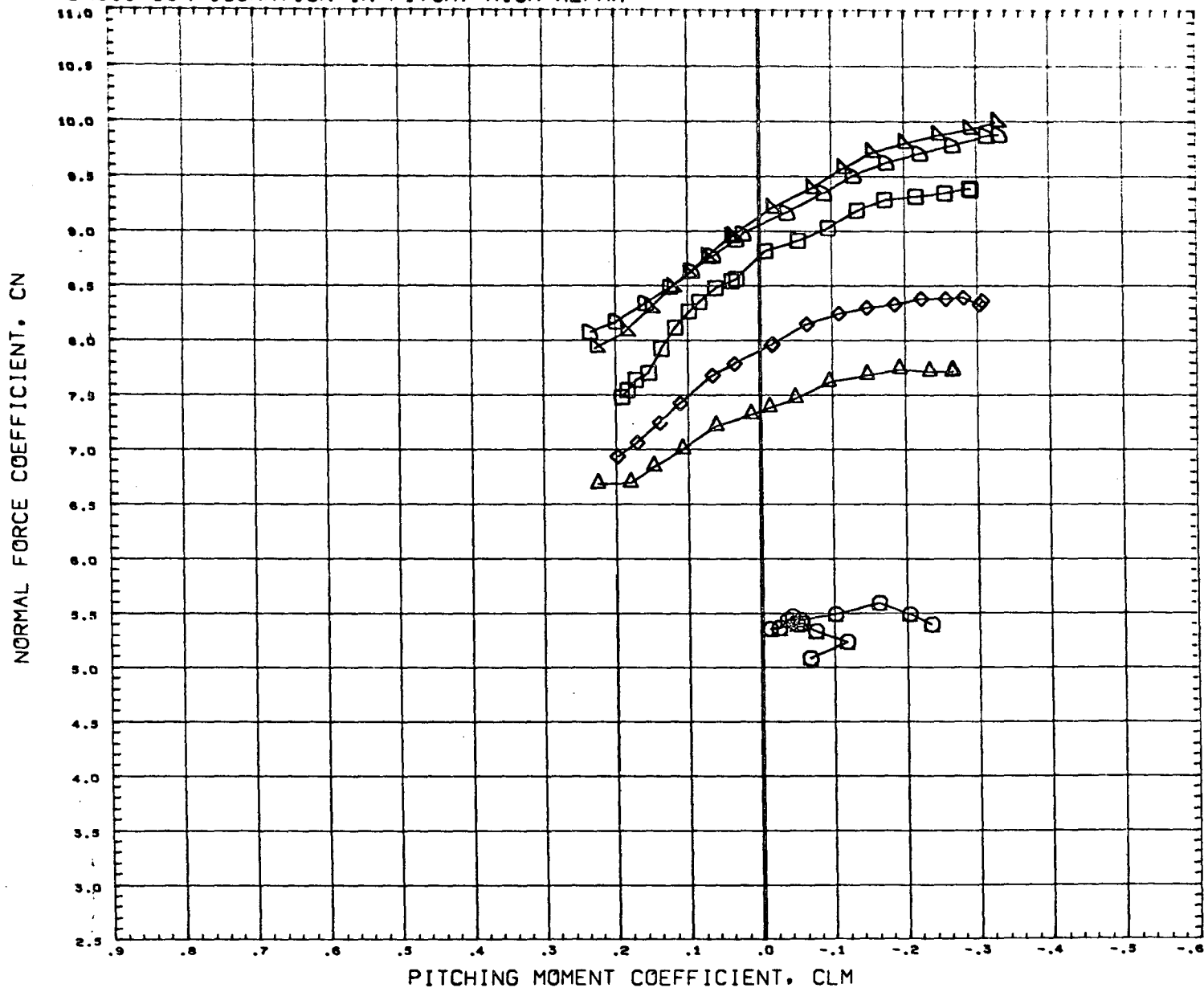
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 □ 0.900  
 △ 0.950  
 ◇ 1.001  
 ◻ 1.050  
 ◼ 1.100

PARAMETRIC VALUES  
 BETA 0.000  
 DELTAV 0.000

DATA HIST. CODE \*G#A

REFERENCE INFORMATION  
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 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

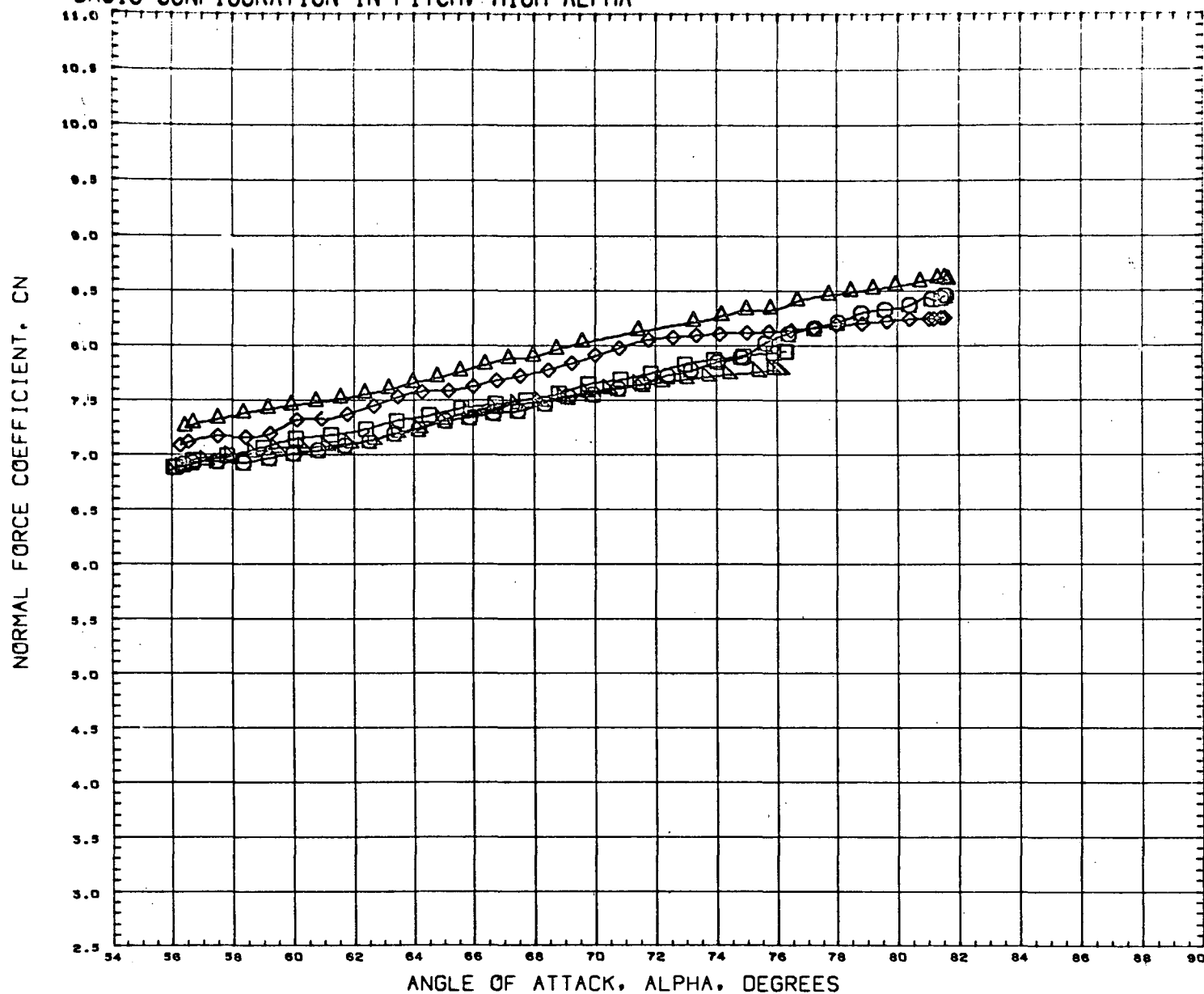
# BASIC CONFIGURATION IN PITCH, HIGH ALPHA



SYMBOL	MACH	BETA	PARAMETRIC VALUES	DELTA V	0.000
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△	0.900				
◇	0.950				
□	1.001				
▽	1.050				
∩	1.100				
		DATA HIST. CODE	*G*A		

REFERENCE INFORMATION		
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BREF	14.6830	INCHES
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YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

# BASIC CONFIGURATION IN PITCH. HIGH ALPHA



SYMBOL	MACH	BETA	PARAMETRIC VALUES		
△	1.600		0.000	DELTA V	0.000
◇	1.997				
□	2.696				
○	3.507				
×	3.993				

REFERENCE FILE

REFERENCE INFORMATION		
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BREF	14.6830	INCHES
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YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

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PR-FED BRB

B5S3V6

(RD8402)

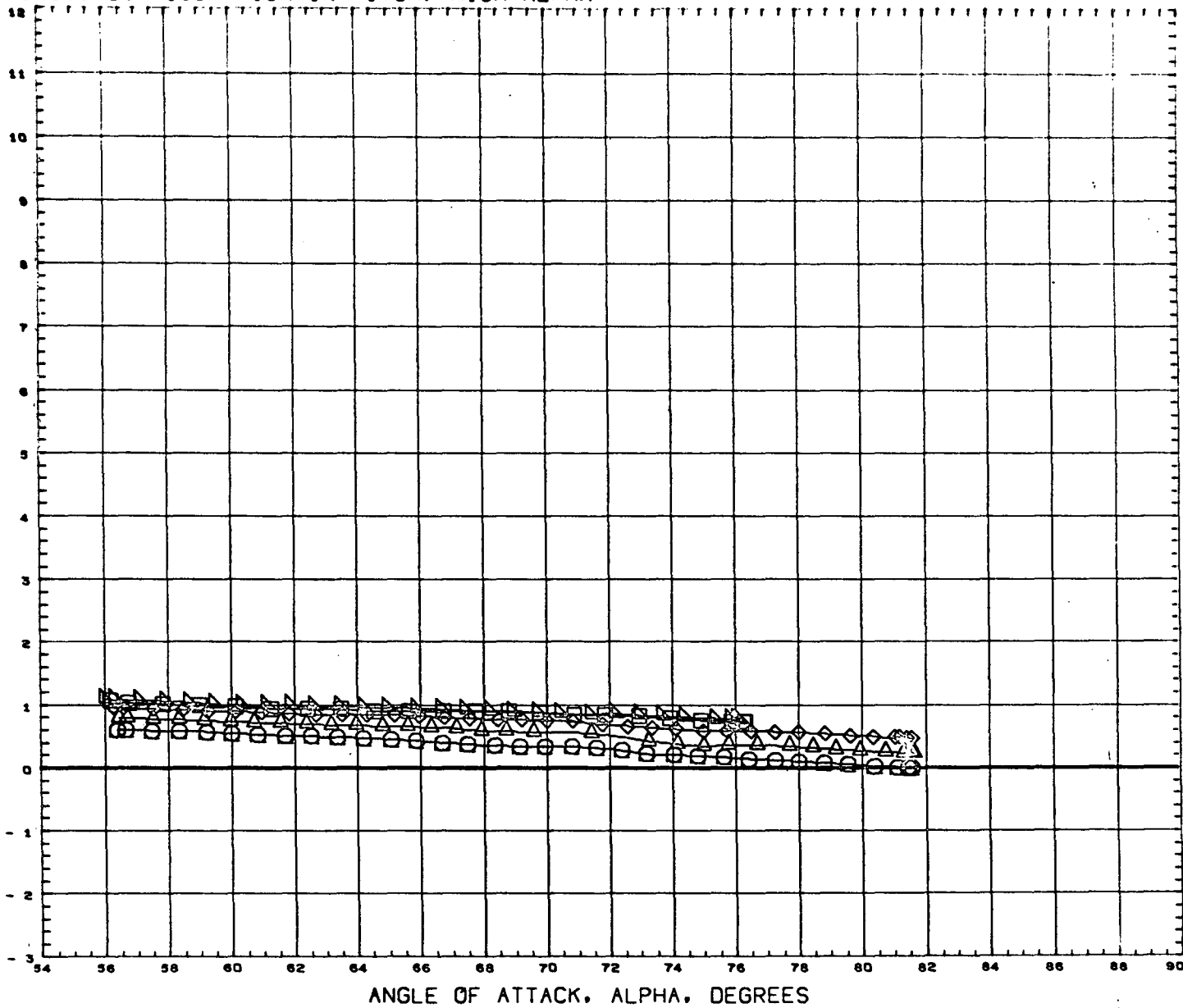
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# BASIC CONFIGURATION IN PITCH, HIGH ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF

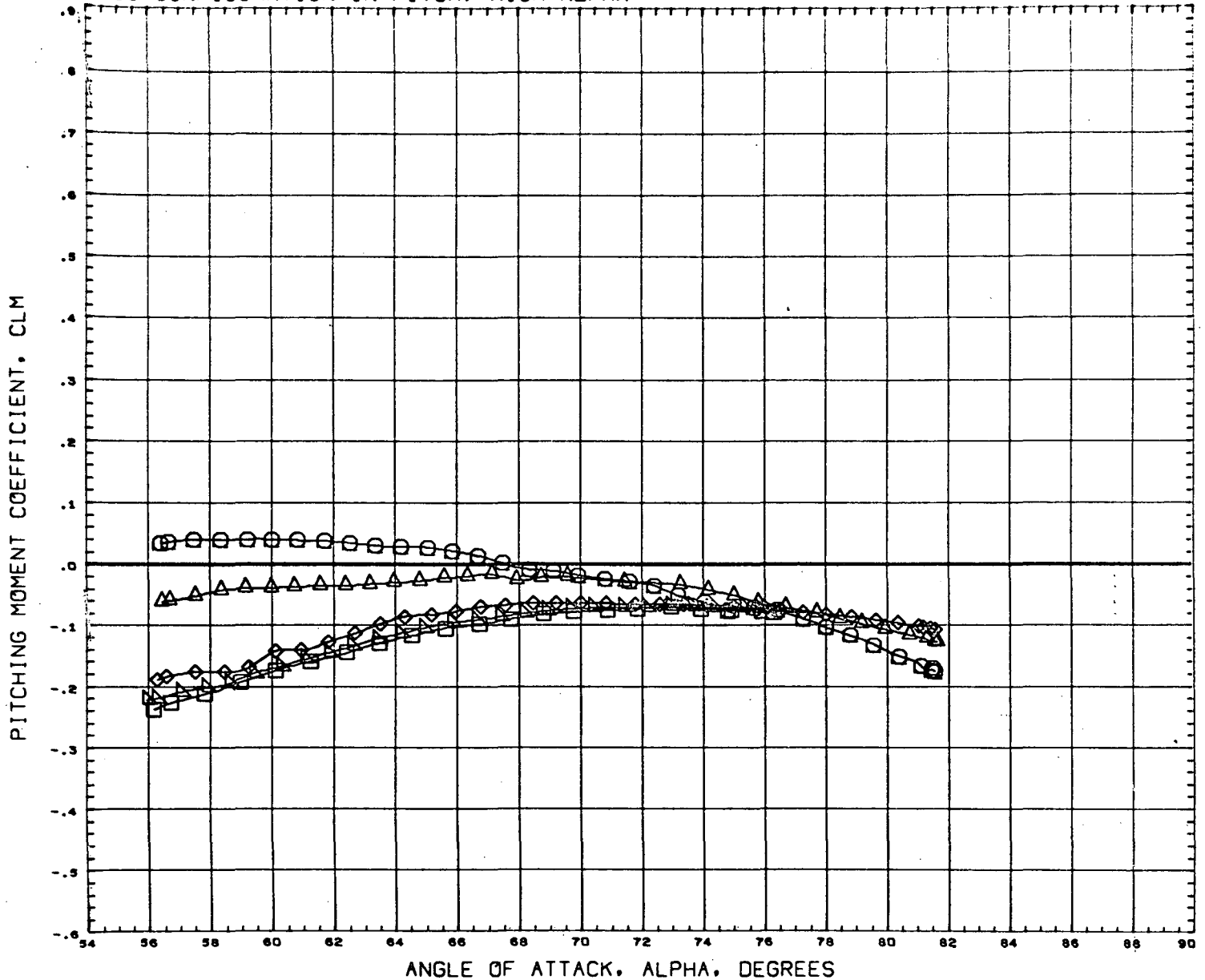


SYMBOL	MACH	PARAMETRIC VALUES		
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◇	1.997			0.000
△	2.696			
□	3.507			
×	3.983			

REFERENCE FILE

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BREF	14.6830	INCHES
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SCALE	0.8899	PERCENT

# BASIC CONFIGURATION IN PITCH, HIGH ALPHA

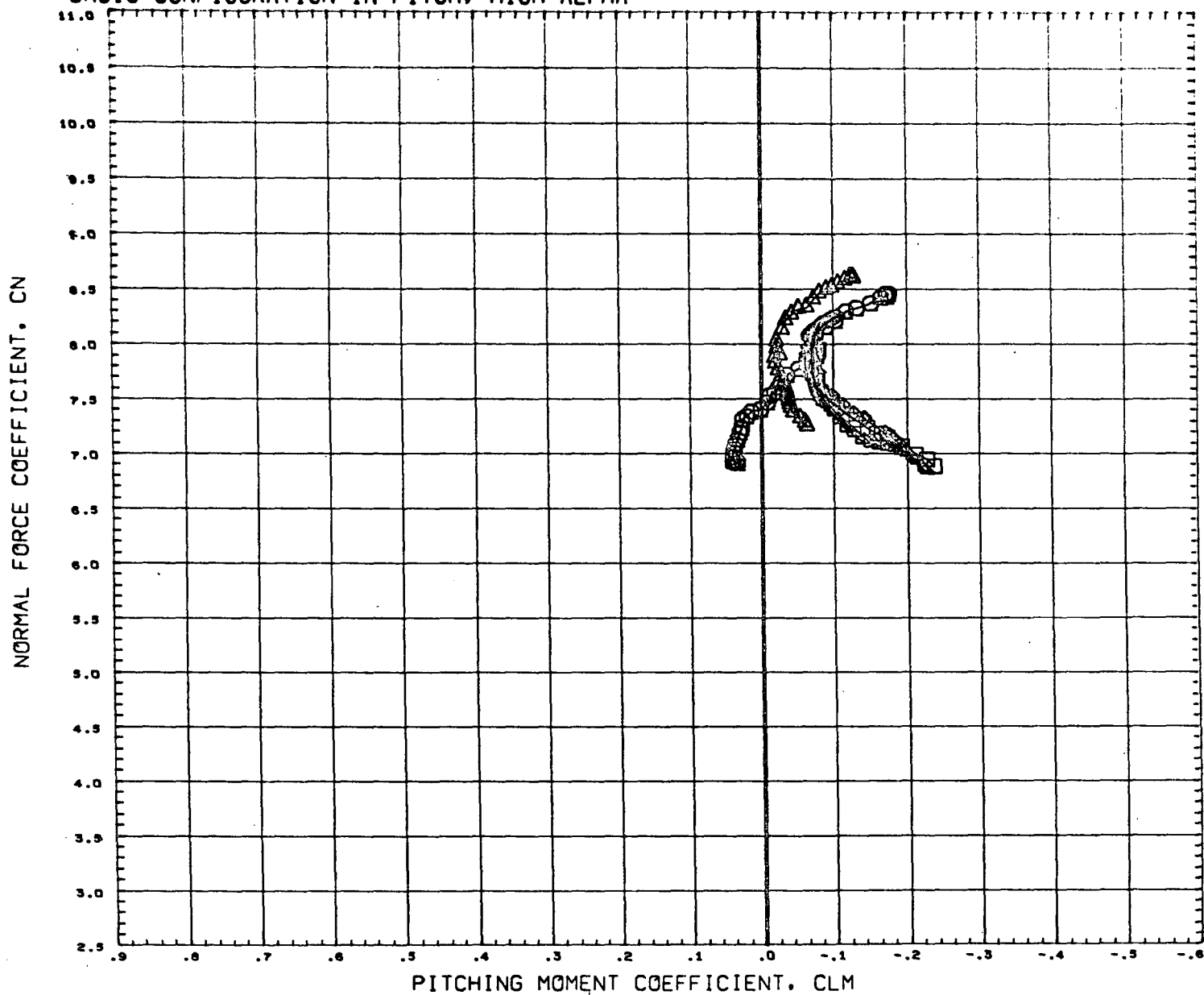


SYMBOL	MACH	BETA	PARAMETRIC VALUES	DELTA V	0.000
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△	1.997				
◇	2.696				
□	3.507				
▽	3.983				

REFERENCE FILE

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ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

# BASIC CONFIGURATION IN PITCH, HIGH ALPHA



SYMBOL	MACH	BETA	PARAMETRIC VALUES	DELTA V	0.000
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◇	1.997				
□	2.696				
△	3.507				
▽	3.983				

REFERENCE FILE

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BTWT 1282/BSWT 557

PR-FED BRB

B5S3V6

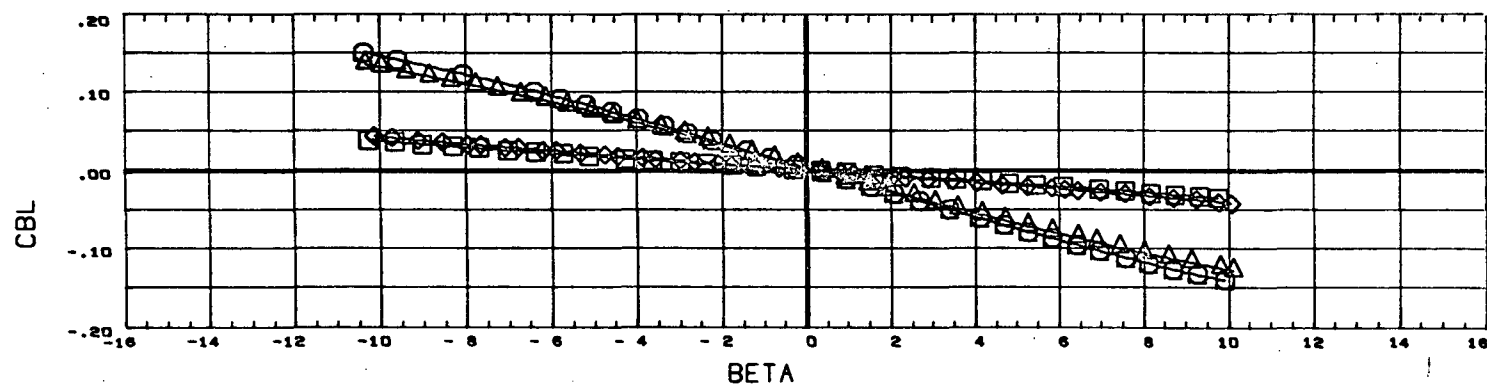
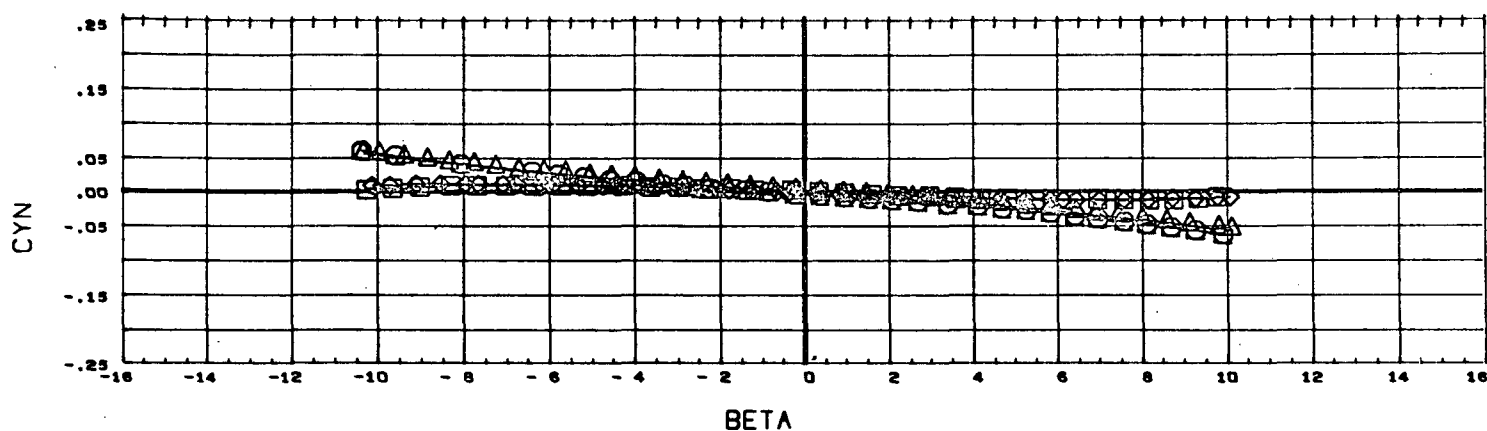
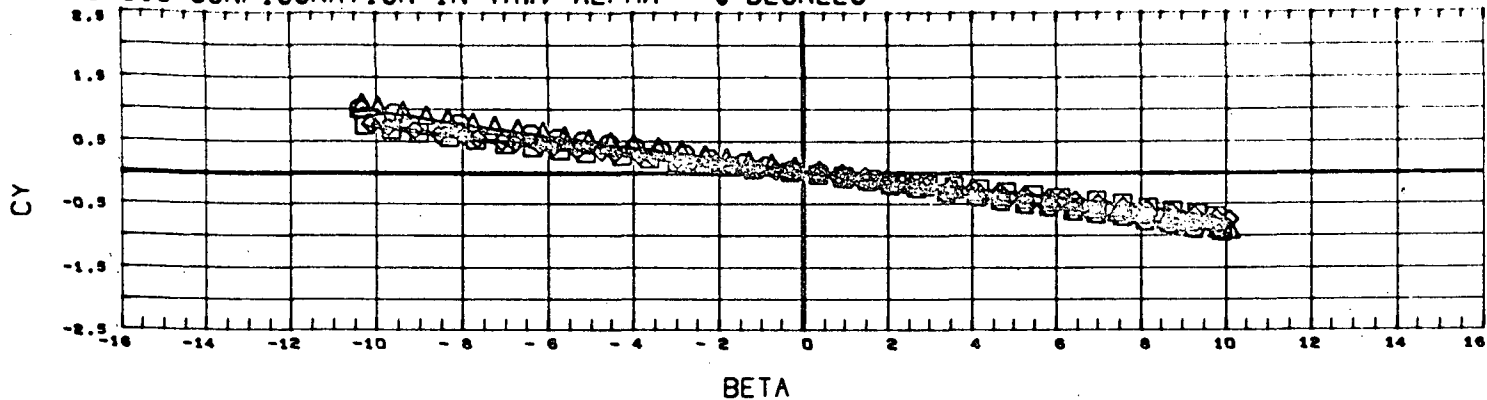
(RD8402) 20 JUN 72

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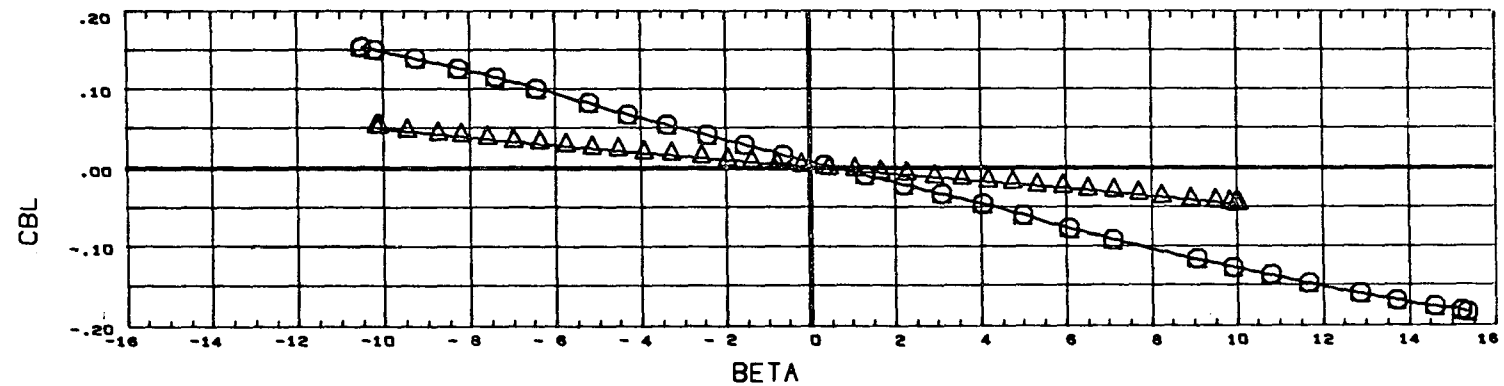
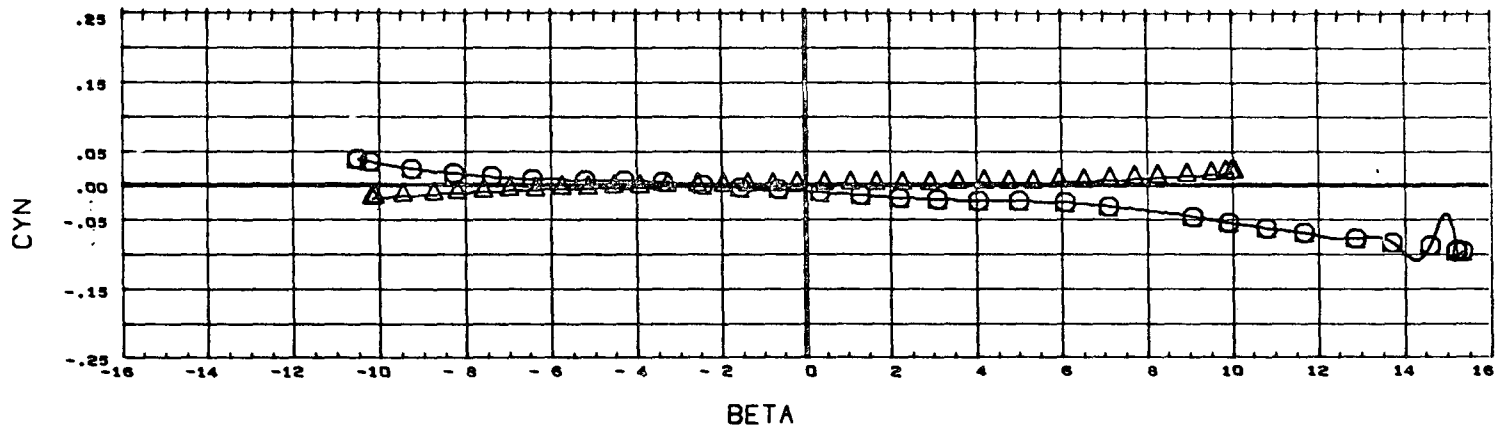
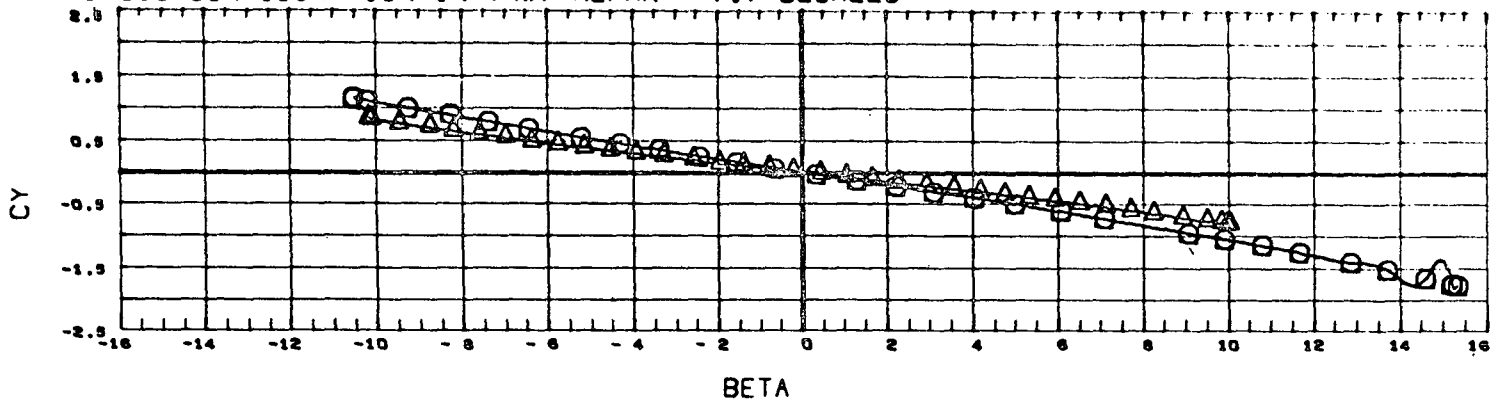


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◇	3.507	
□	3.983	

REFERENCE FILE

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ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

# BASIC CONFIGURATION IN YAW, ALPHA = 7.7 DEGREES

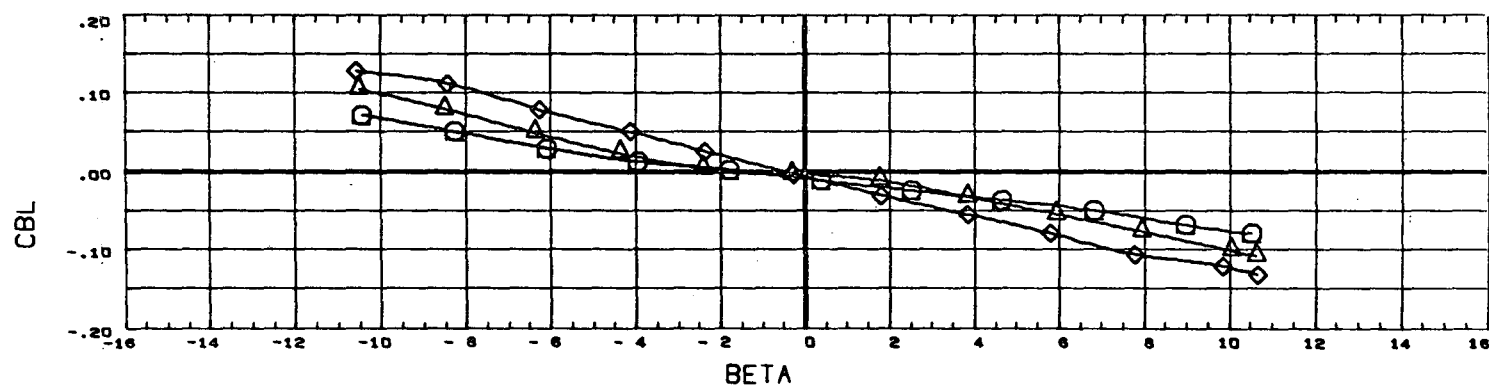
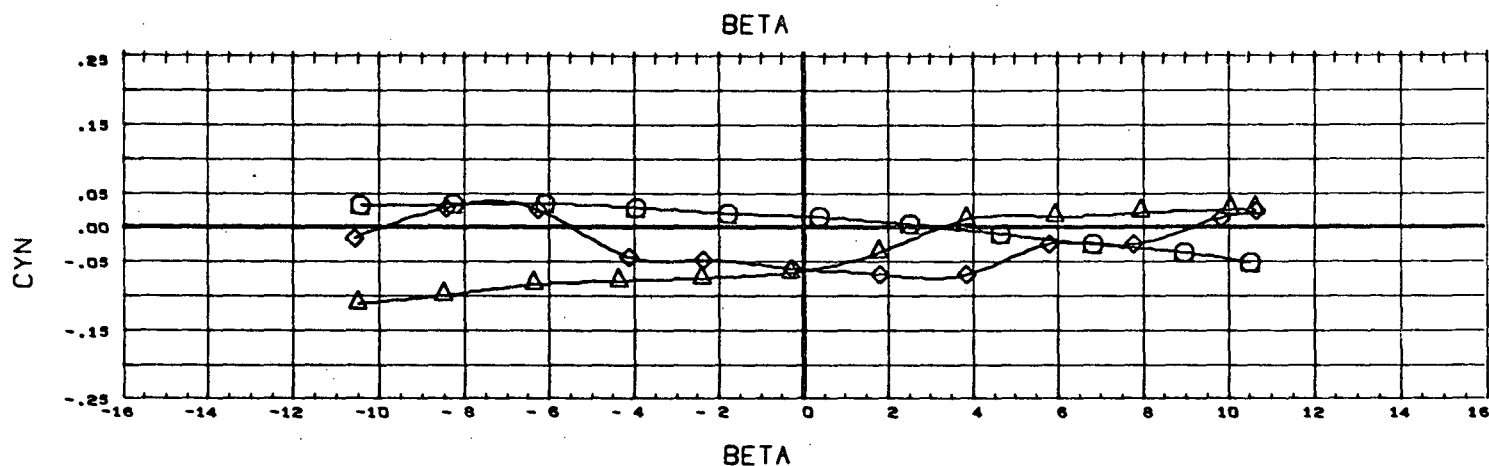
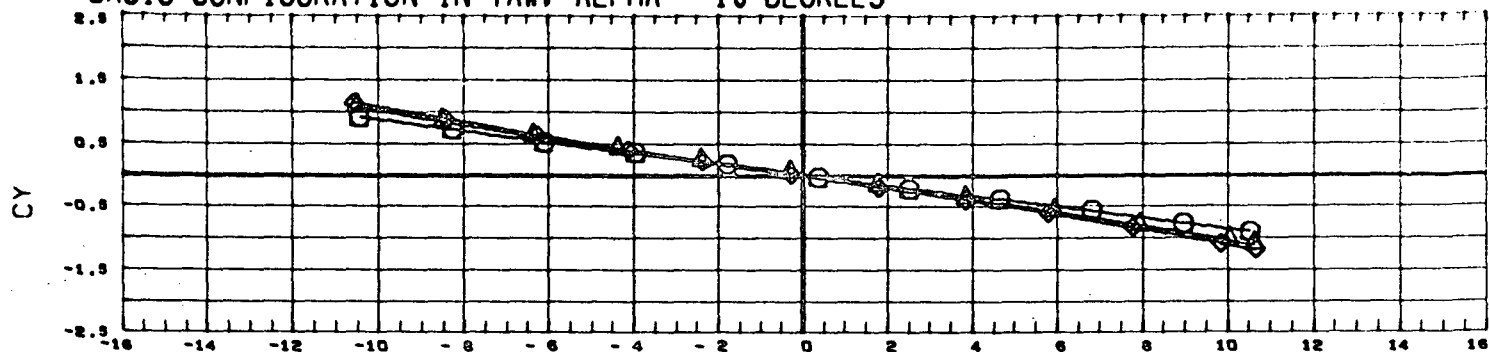


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SCALE	0.8899	PERCNT

DATA HIST. CODE \*A

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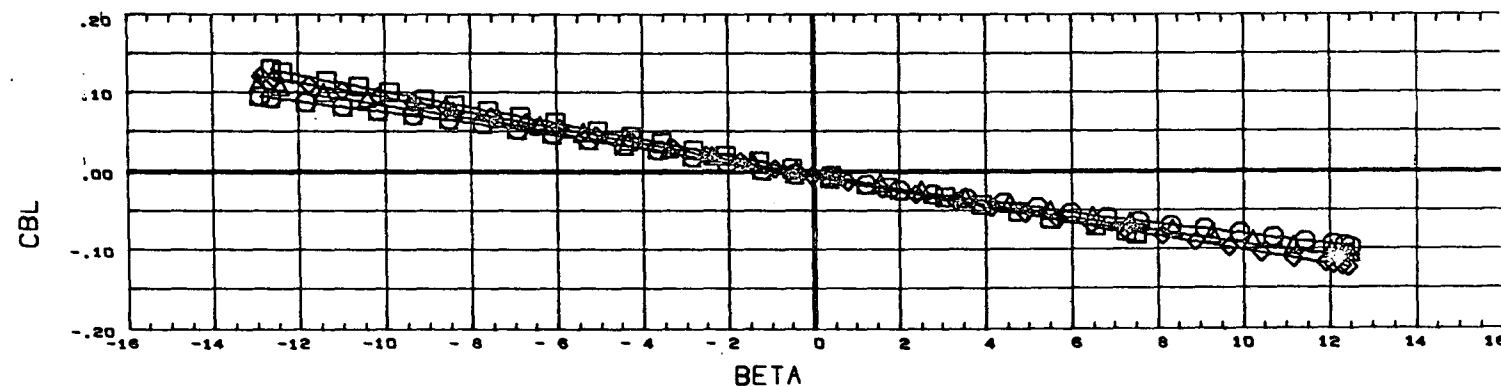
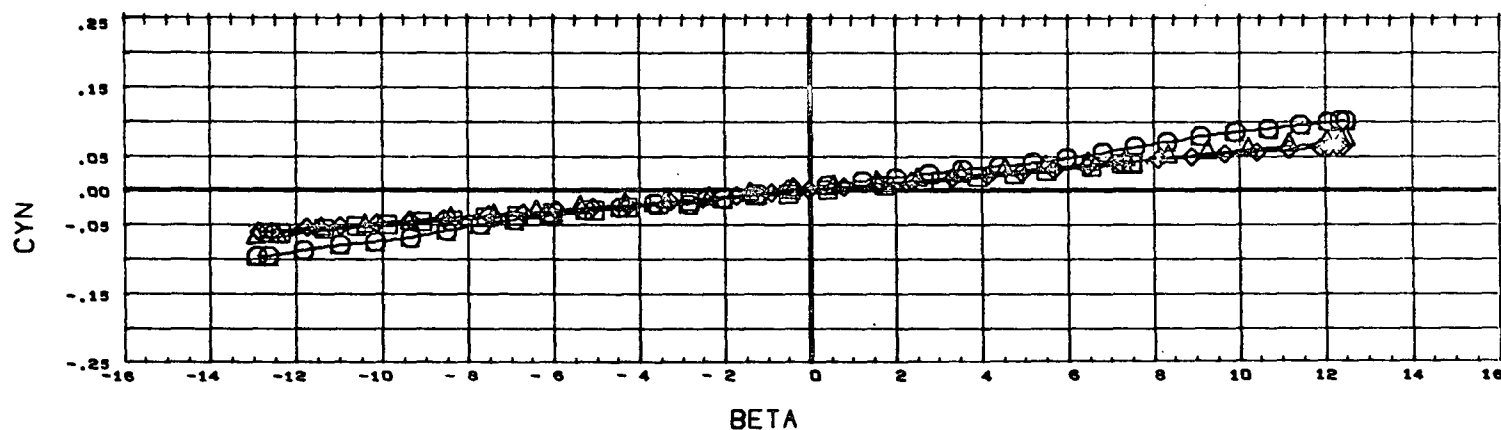
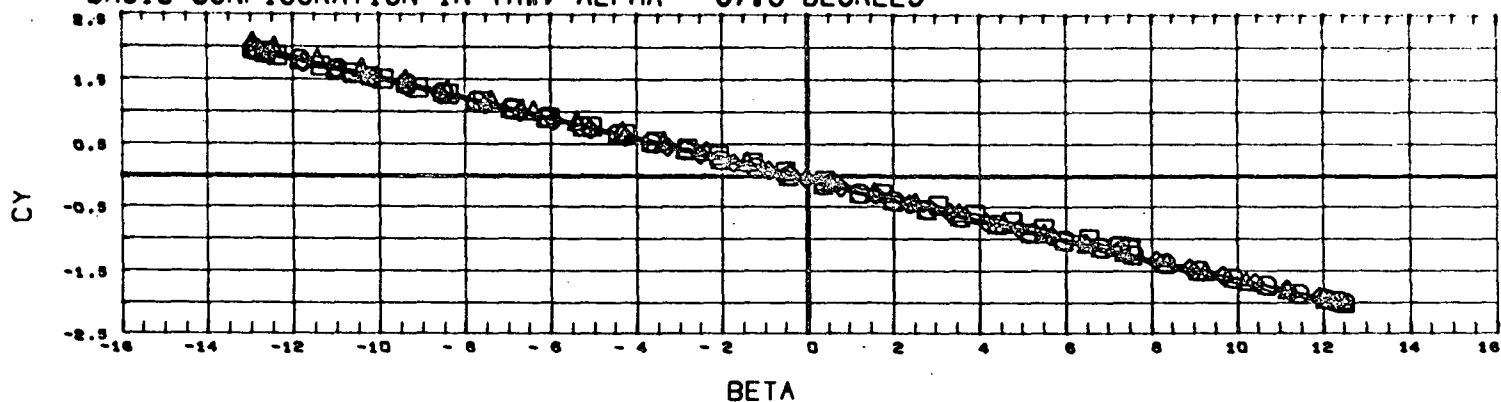


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△	0.900	
◇	1.030	

REFERENCE INFORMATION		
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YM RP	0.0000	INCHES
ZM RP	0.0000	INCHES
SCALE	0.8699	PERCNT

DATA HIST. CODE \*G

# BASIC CONFIGURATION IN YAW, ALPHA = 67.5 DEGREES



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△	1.997	
◇	2.696	
□	3.507	

REFERENCE FILE

REFERENCE INFORMATION		
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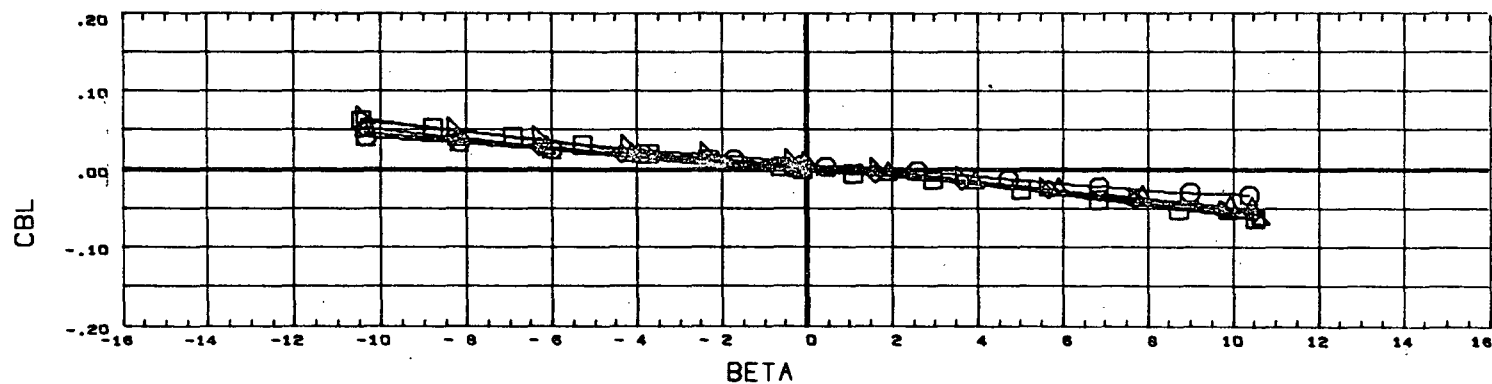
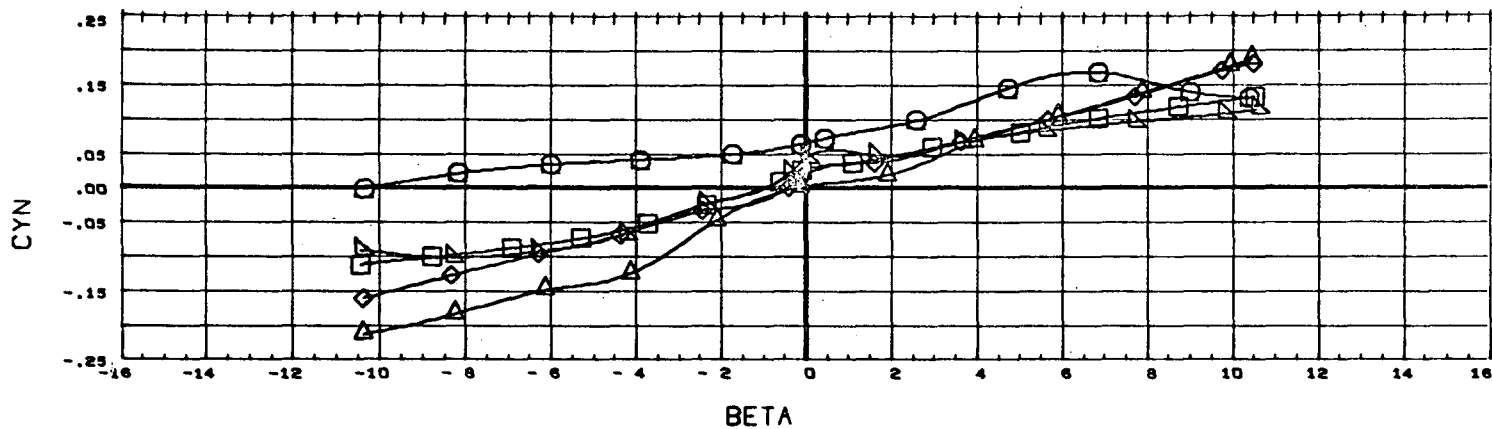
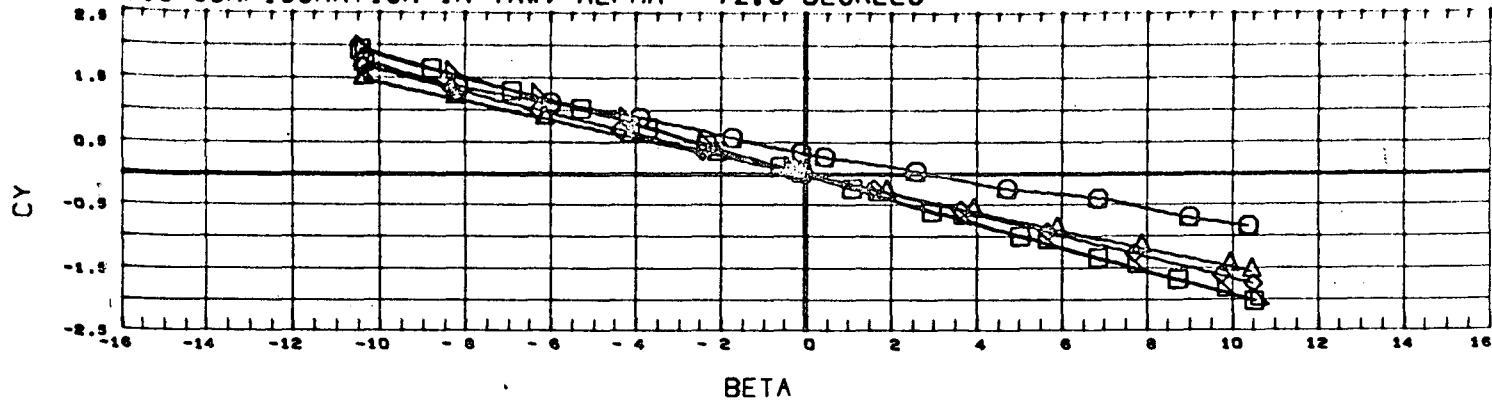
(RD8406)

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# BASIC CONFIGURATION IN YAW, ALPHA = 72.5 DEGREES

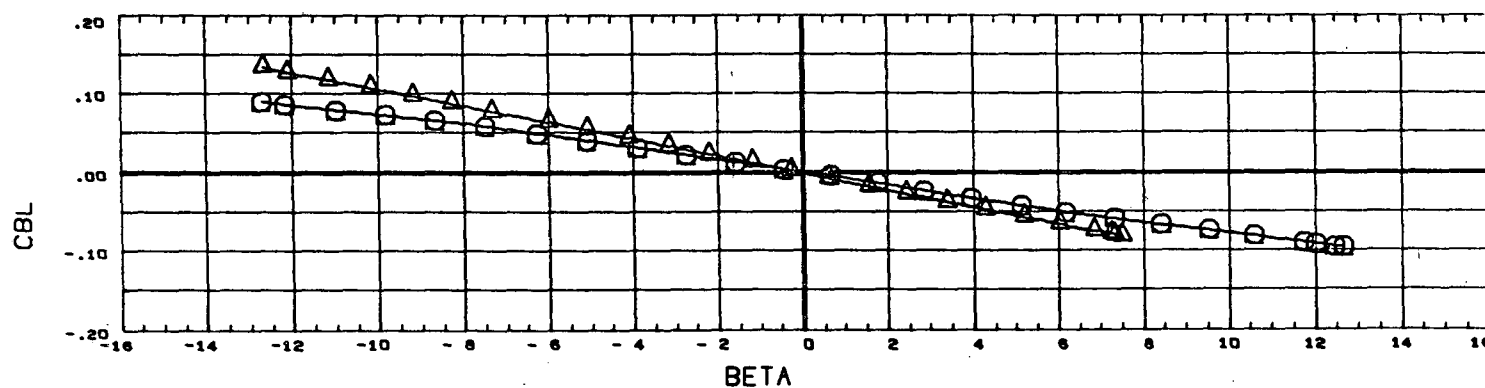
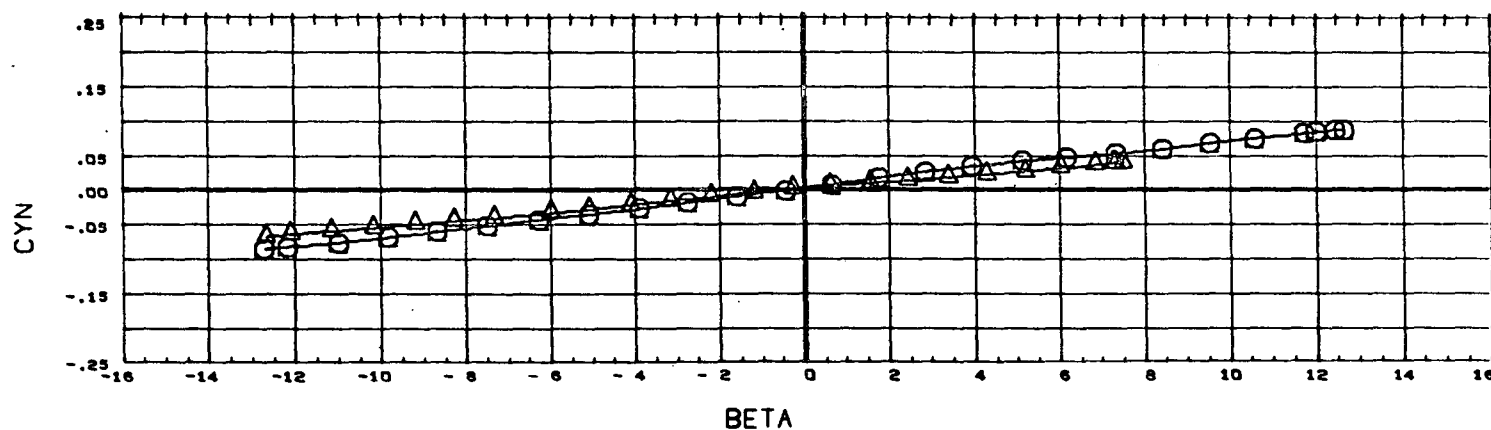
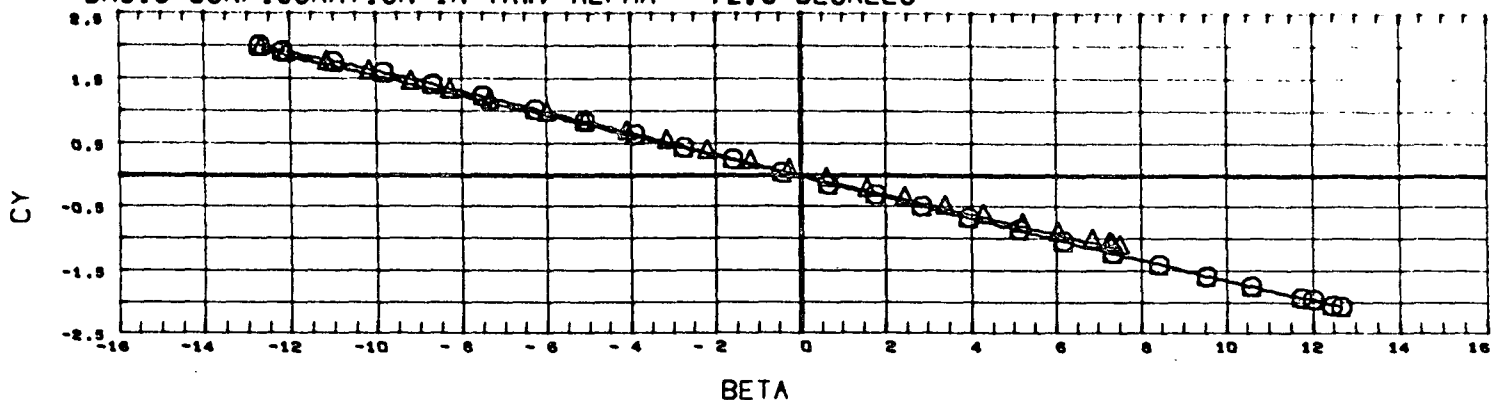


SYMBOL	MACH	ALPHA	PARAMETRIC VALUES	DELTA V	
○	0.350	72.500		0.000	
△	0.799				
◇	0.900				
□	1.000				
×	1.100				

DATA HIST. CODE \*G\*A

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

# BASIC CONFIGURATION IN YAW, ALPHA = 72.5 DEGREES

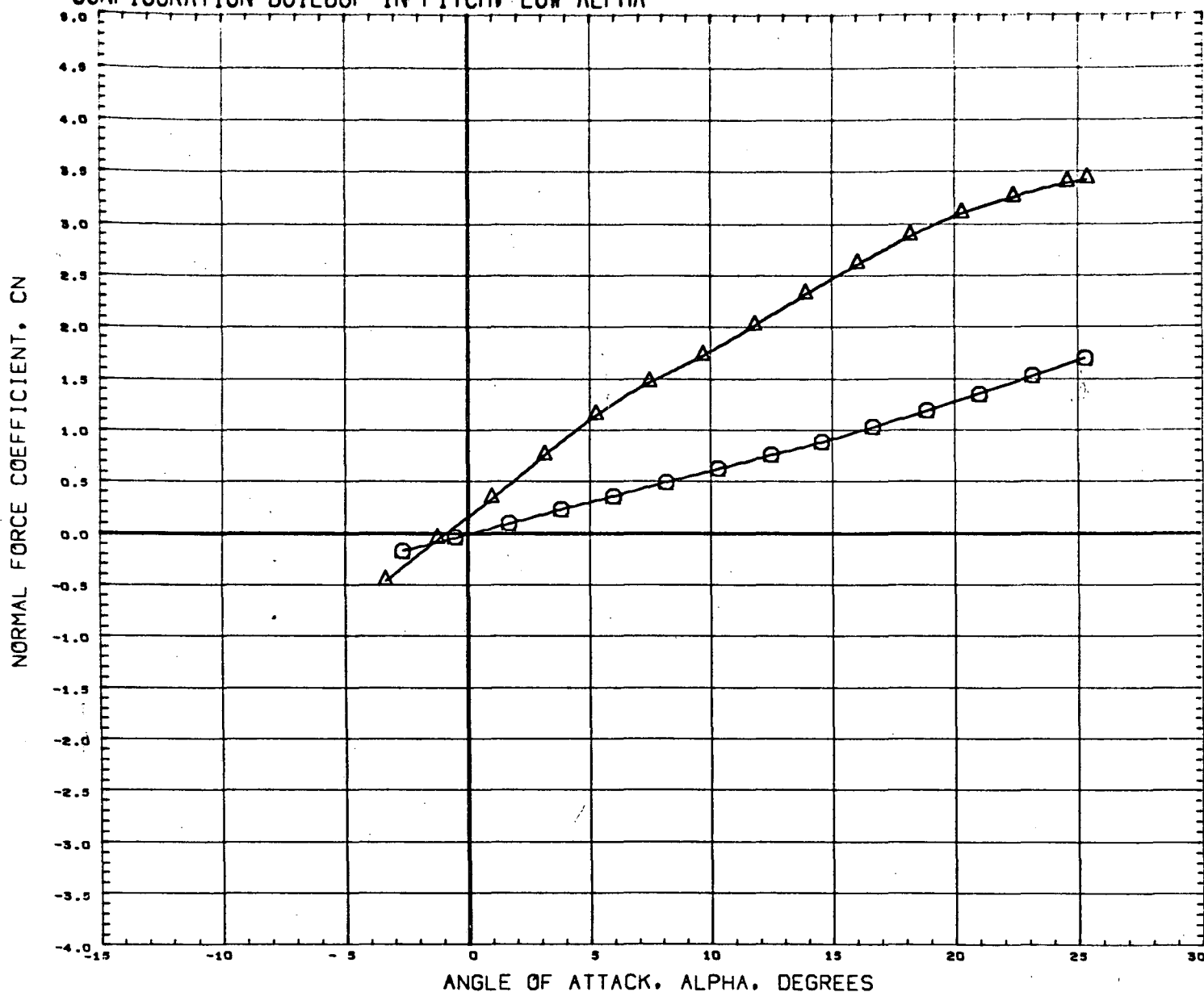


SYMBOL	MACH	PARAMETRIC VALUES			
○	1.600	ALPHA	72.500	DELTAV	0.000
△	3.507				

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

DATA HIST. CODE \*C\*A

# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



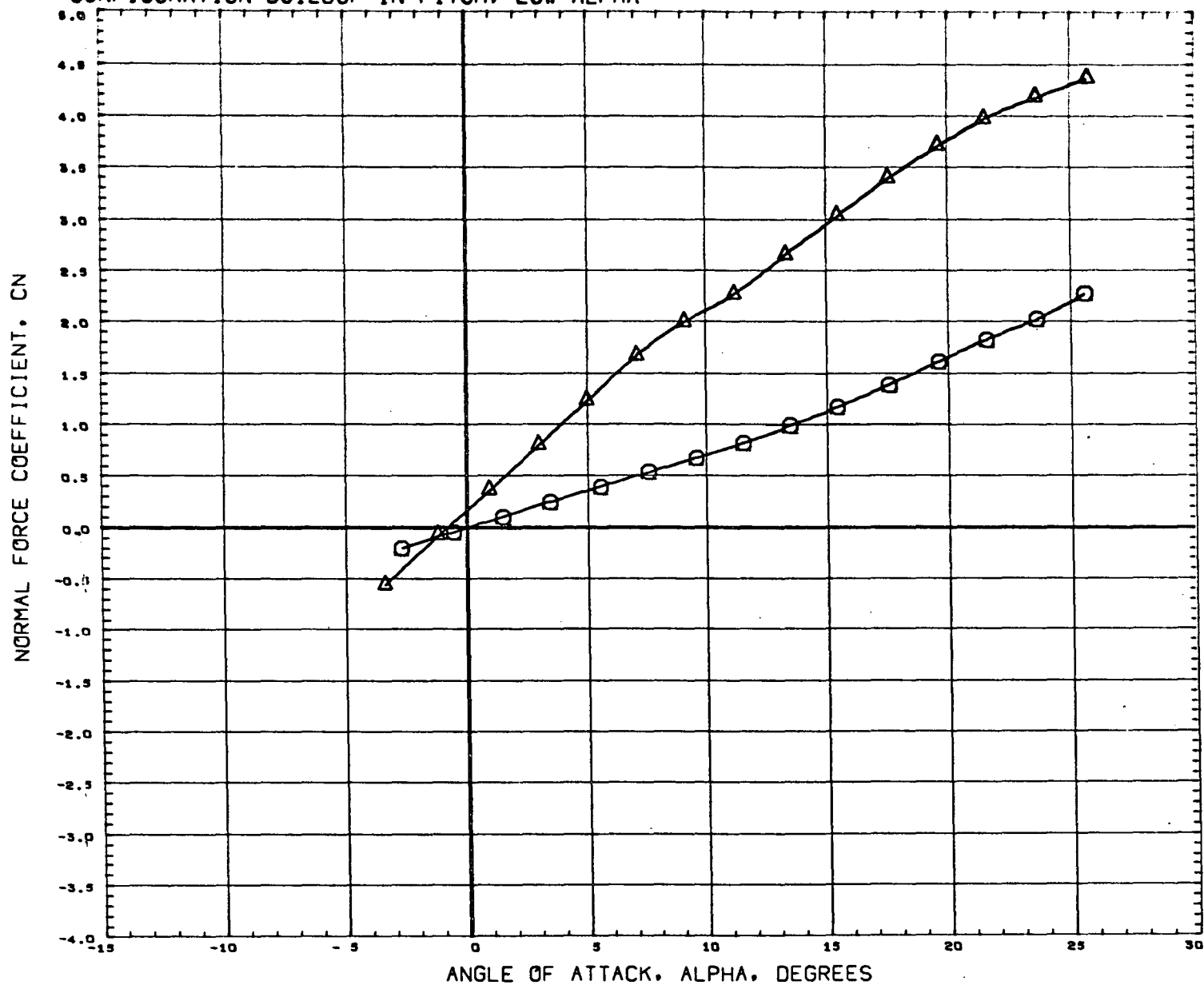
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000	0.000
(WD8501)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV
(AD8001)	BTWT 1282/BSWT 557	PR-FED BRB	85S3	0.000		
(WD8501)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6F	0.000	0.000	

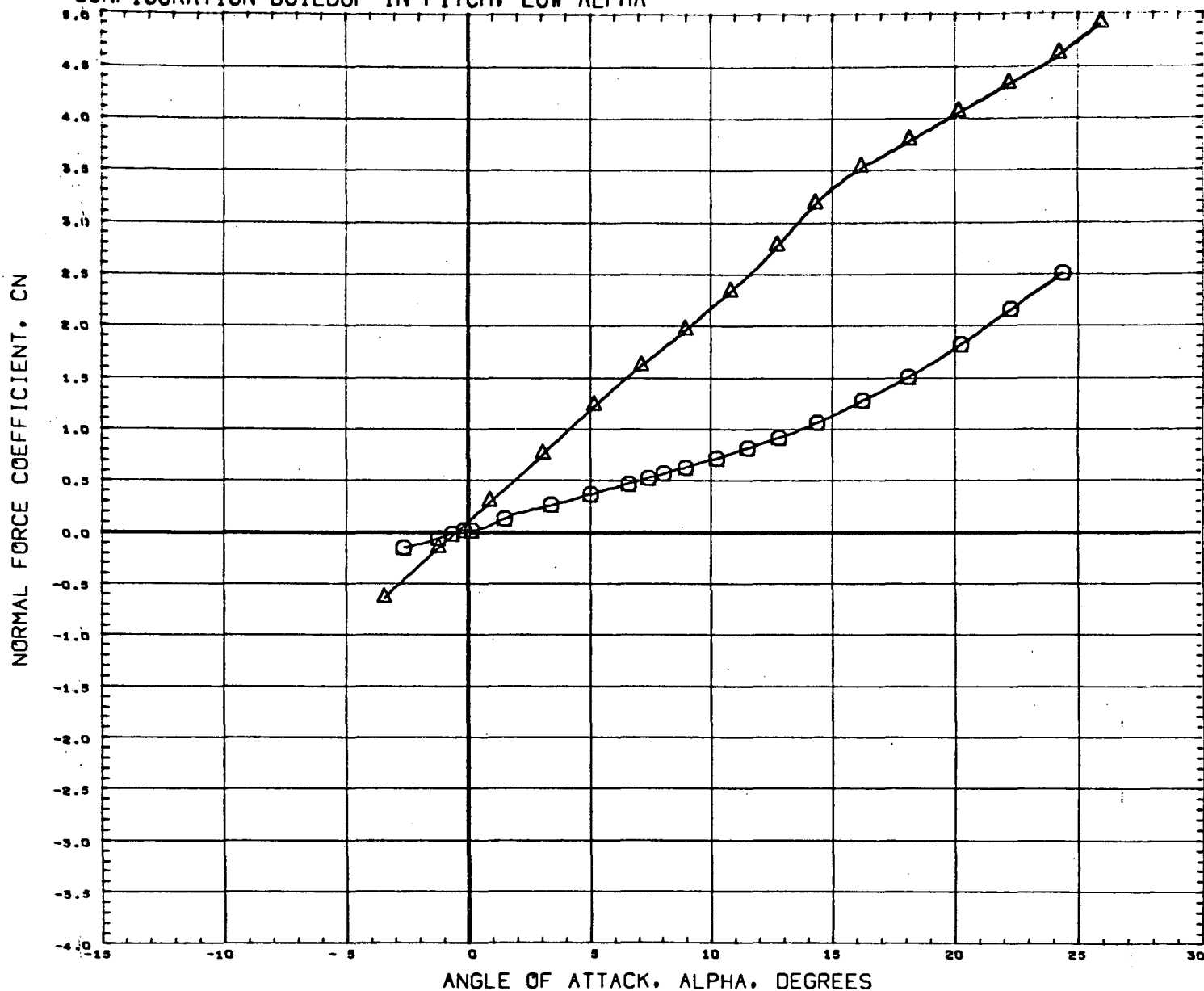
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH .90

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8001) Q BTWT 1282/BSWT 557 PR-FED BRB B5S3  
 (WD8501) Δ BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

BETA DELTAV

0.000 0.000  
 0.000 0.000

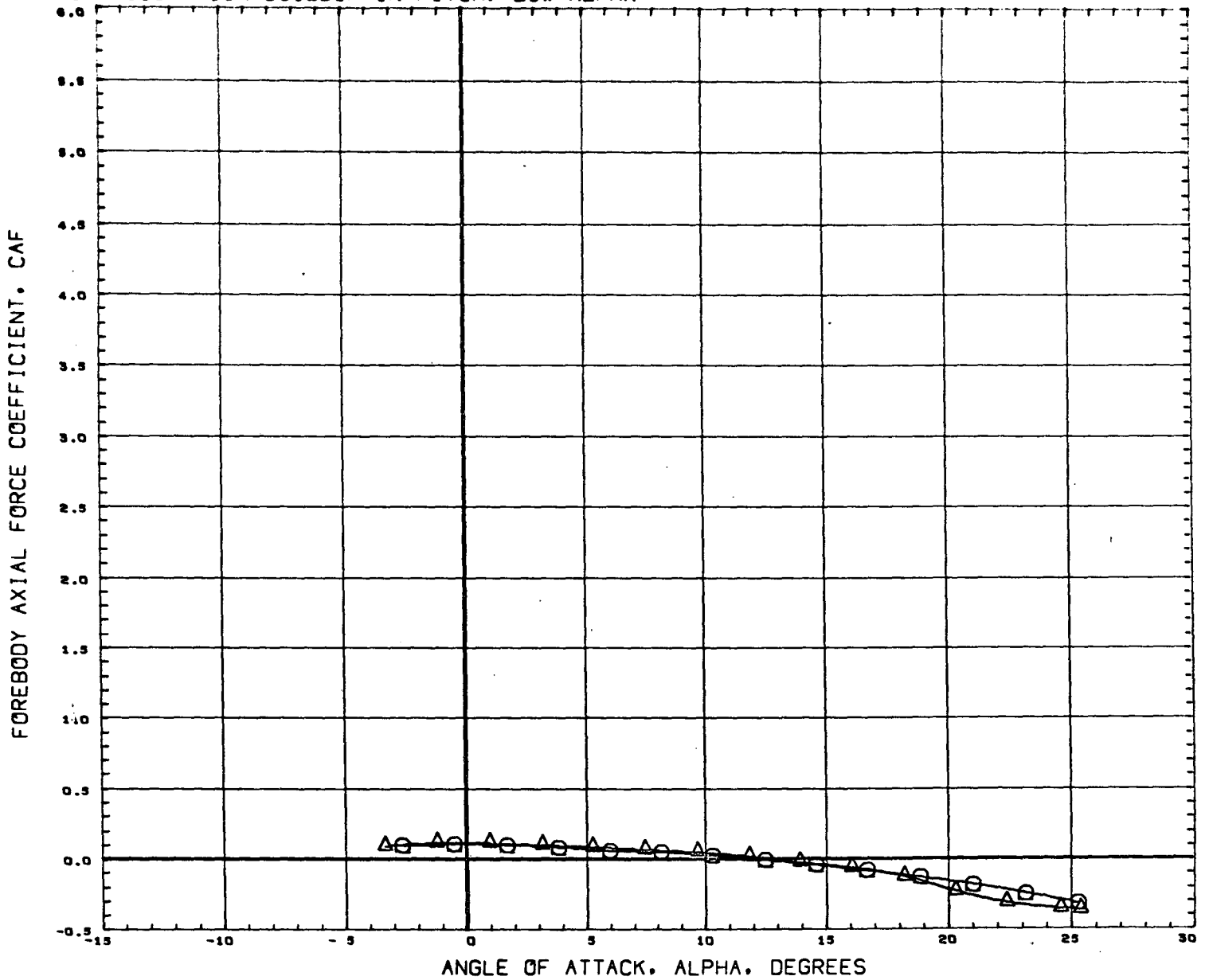
REFERENCE INFORMATION

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 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.0000 LBOOY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCNT

MACH 1.05

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (AD8001) BTWT 1282/BSWT 557 PR-FED BRB B5S3  
 (WD8501) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

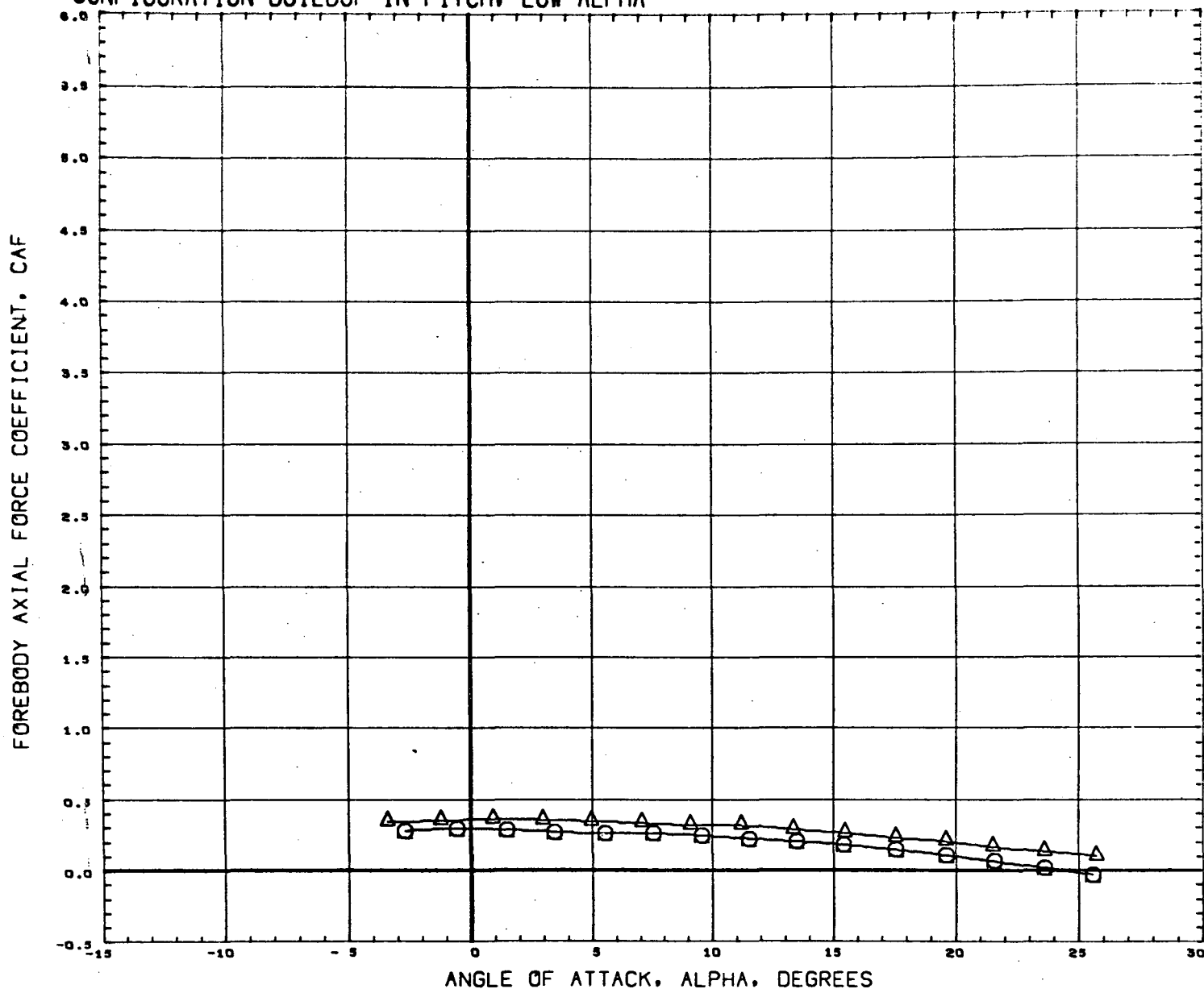
BETA DELTAV  
 0.000 0.000  
 0.000 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH .60

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8001)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3
(WD8501)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F

BETA DELTAV

0.000	0.000
0.000	0.000

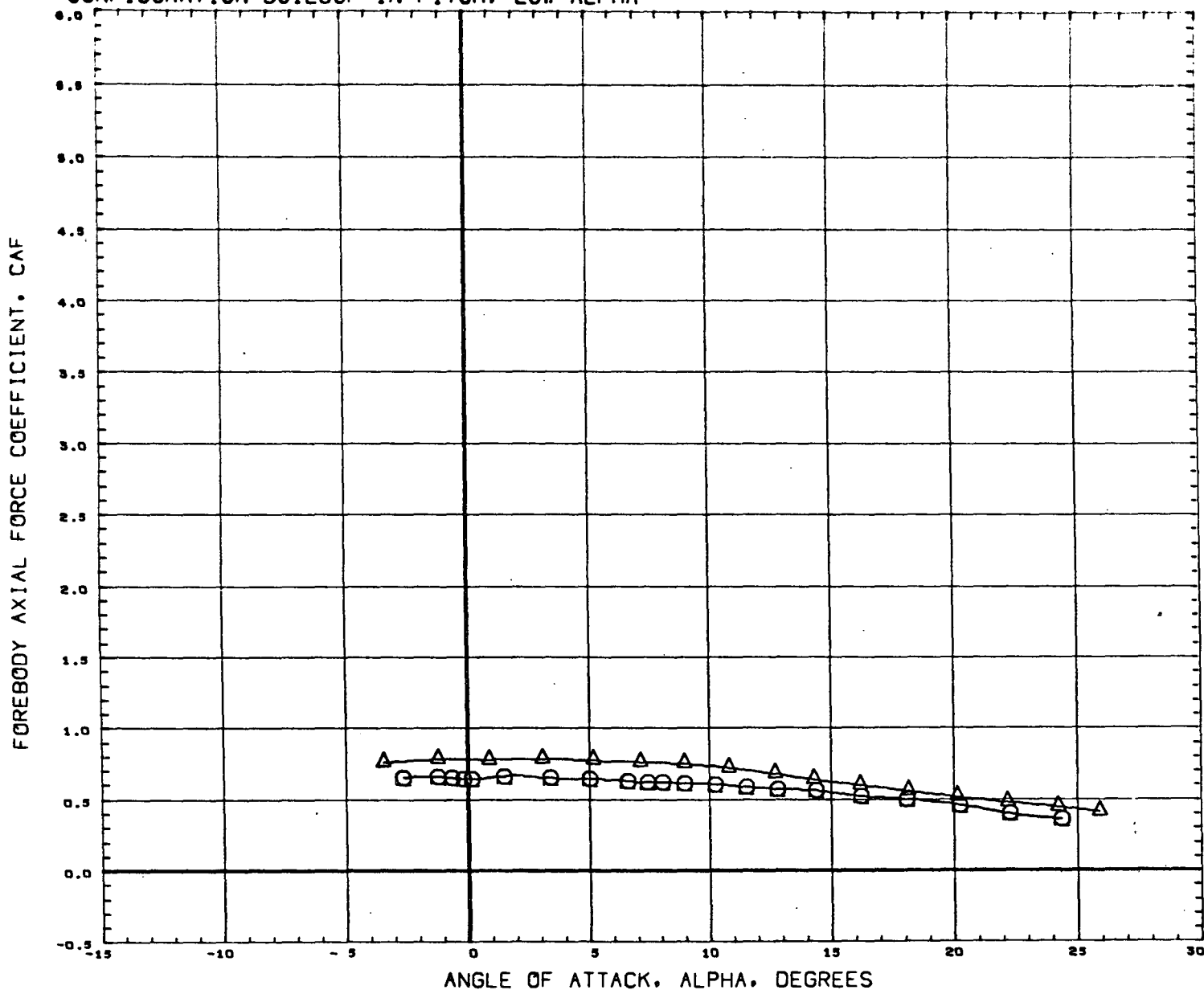
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH .90

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A08001)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3
(W08501)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F

BETA DELTAV

0.000	0.000
0.000	0.000

REFERENCE INFORMATION

SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

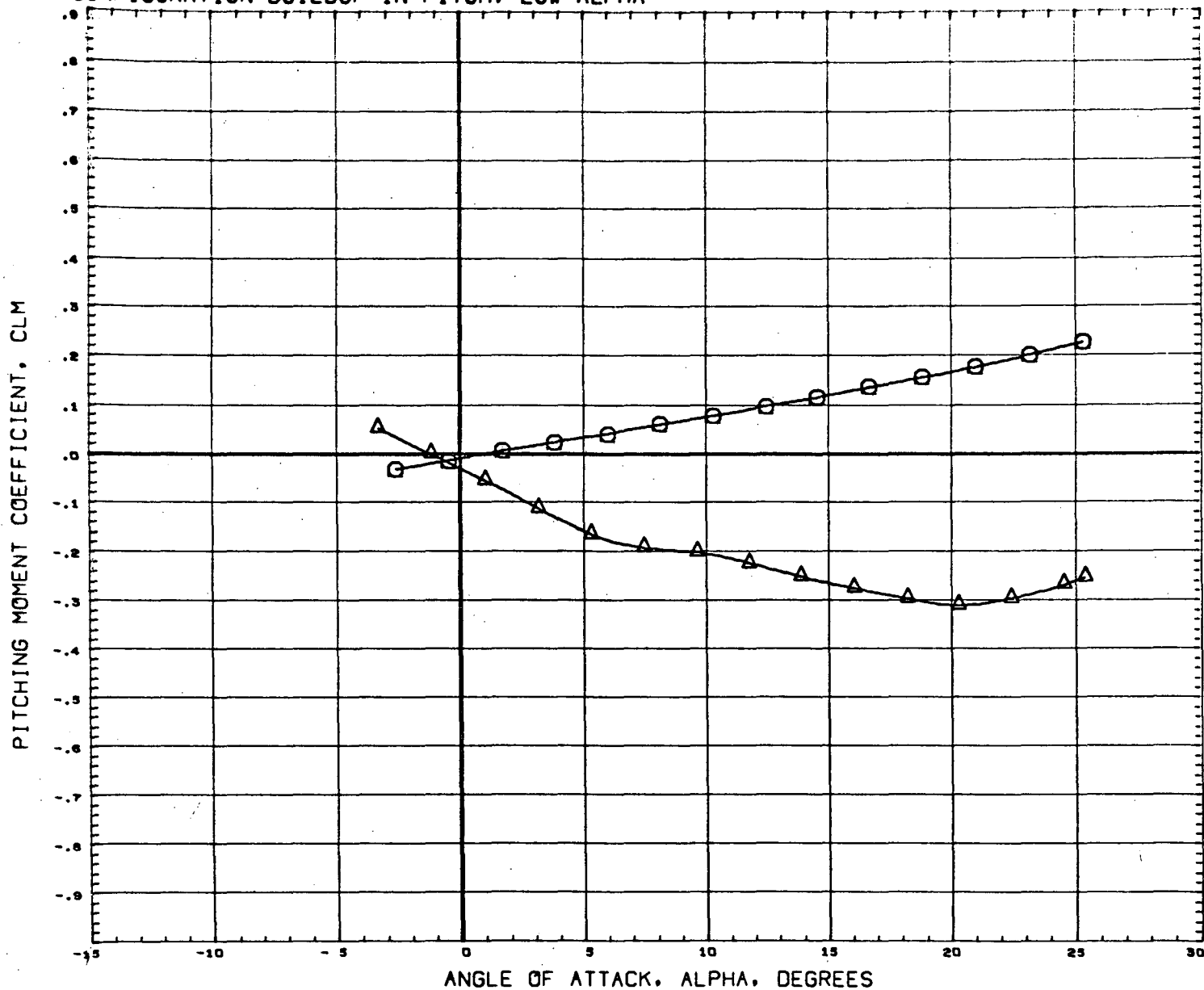
MACH

1.05

PAGE

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(WD8501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

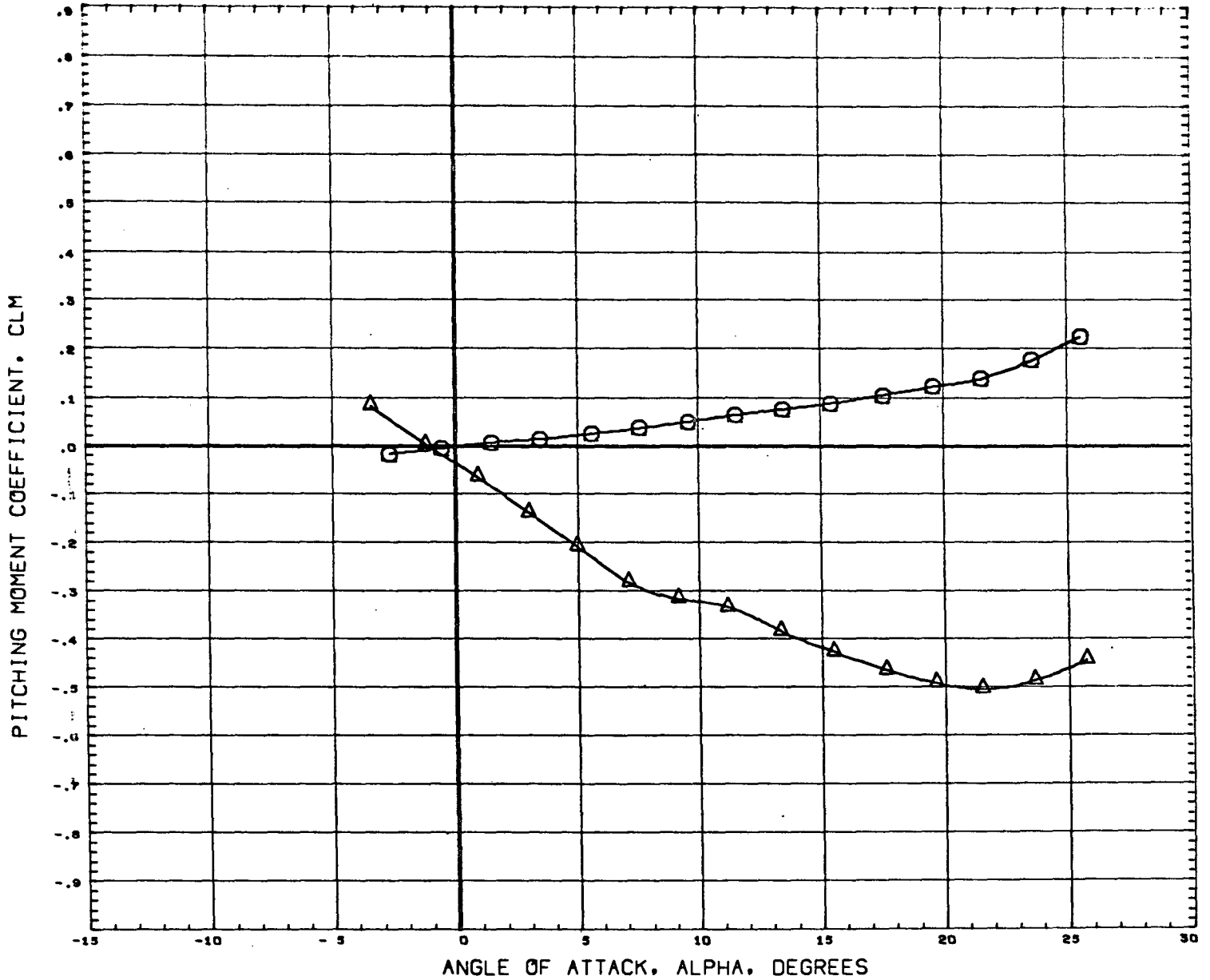
BETA	DELTA V
0.000	
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH .60

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001) ○	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(WD8501) △	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

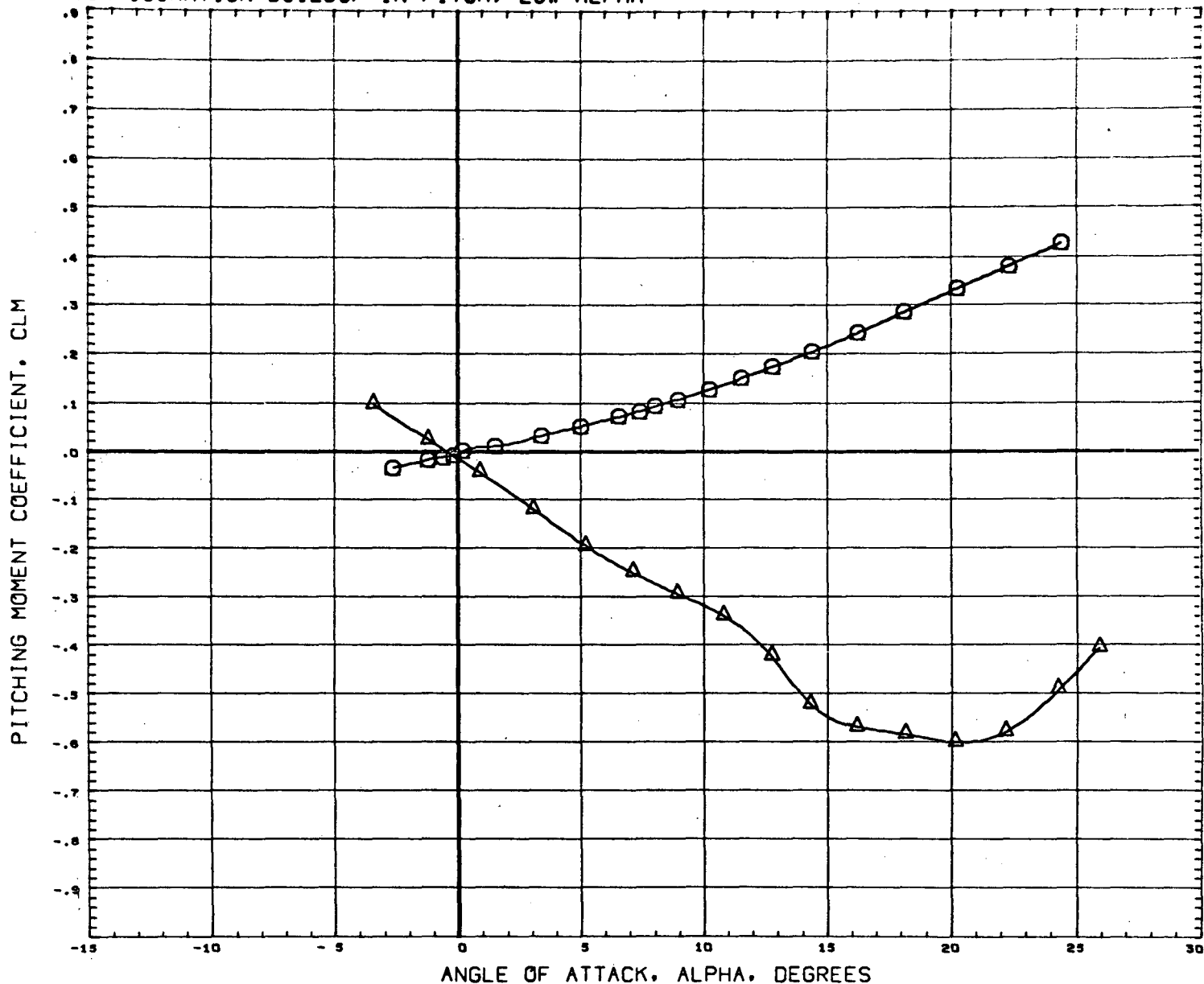
BETA	DELTA V
0.000	
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



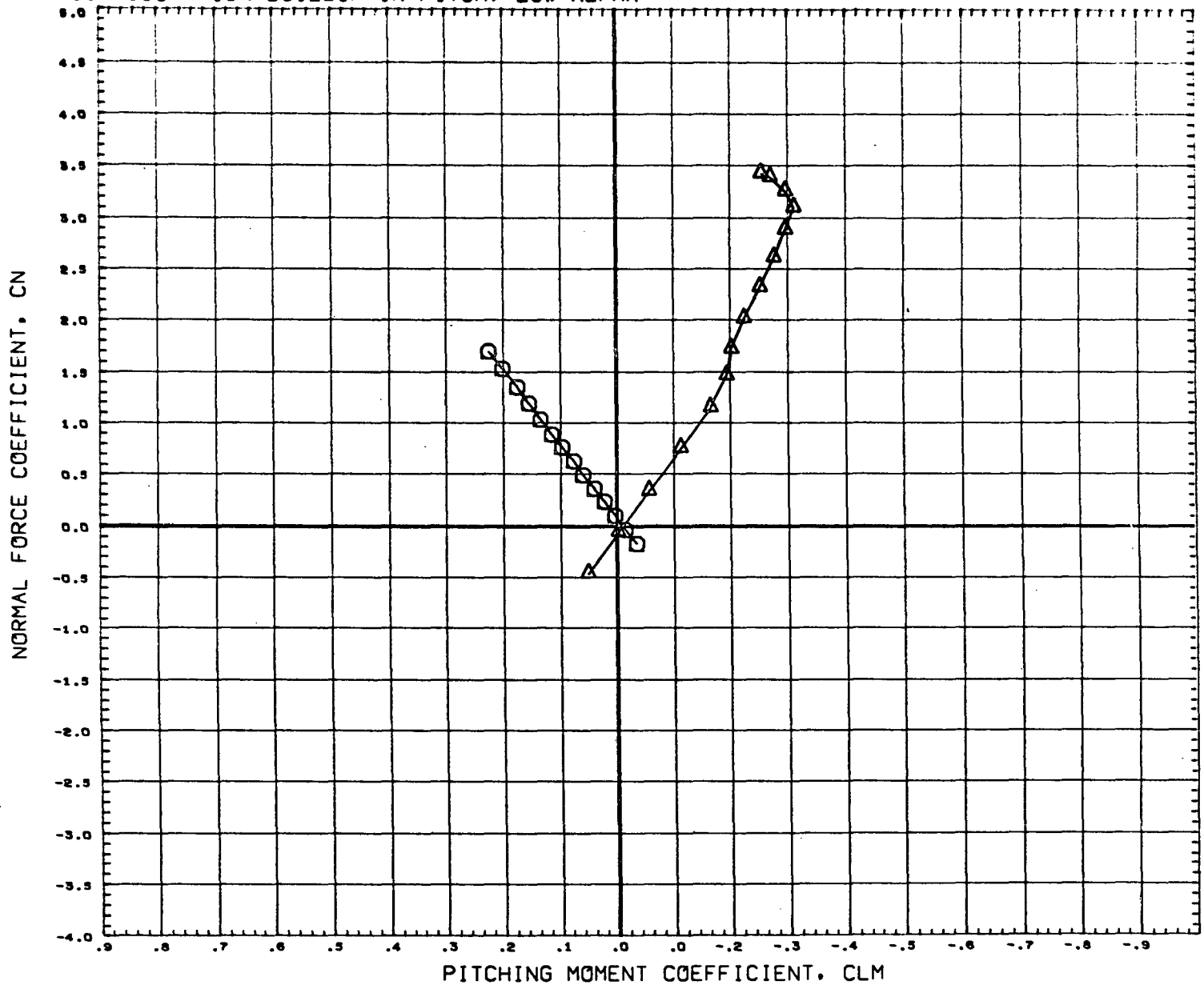
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV
(AD8001)	BTWT 1282/BSWT 557	PR-FED BRB	B3S3	0.000		
(WD8501)	BTWT 1282/BSWT 557	PR-FED BRB	B3S3V6F	0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.05

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



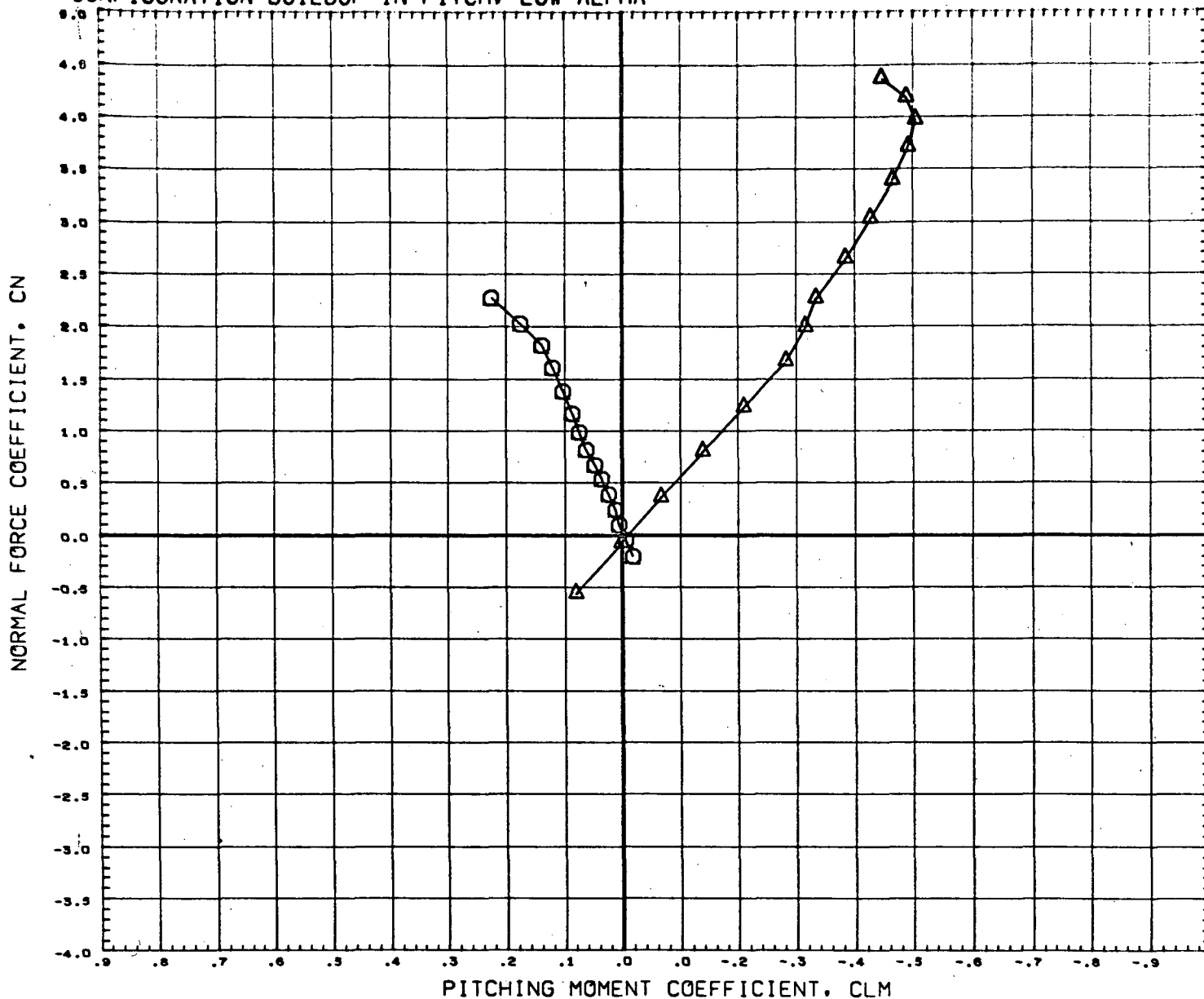
DATA SET SYMBOL      CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION	
(AD8001)	⊗	BTWT 1282/BSWT 557	PR-FED BRB 8553	0.000		SREF	9.7500 SQ. IN.
(WD8501)	△	BTWT 1282/BSWT 557	PR-FED BRB 8553V6F	0.000	0.000	LREF	14.6830 INCHES
						BREF	14.6830 INCHES
						XMRP	0.6000 LBODY
						YMRP	0.0000 INCHES
						ZMRP	0.0000 INCHES
						SCALE	0.6699 PERCENT

MACH .60

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(WD8501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

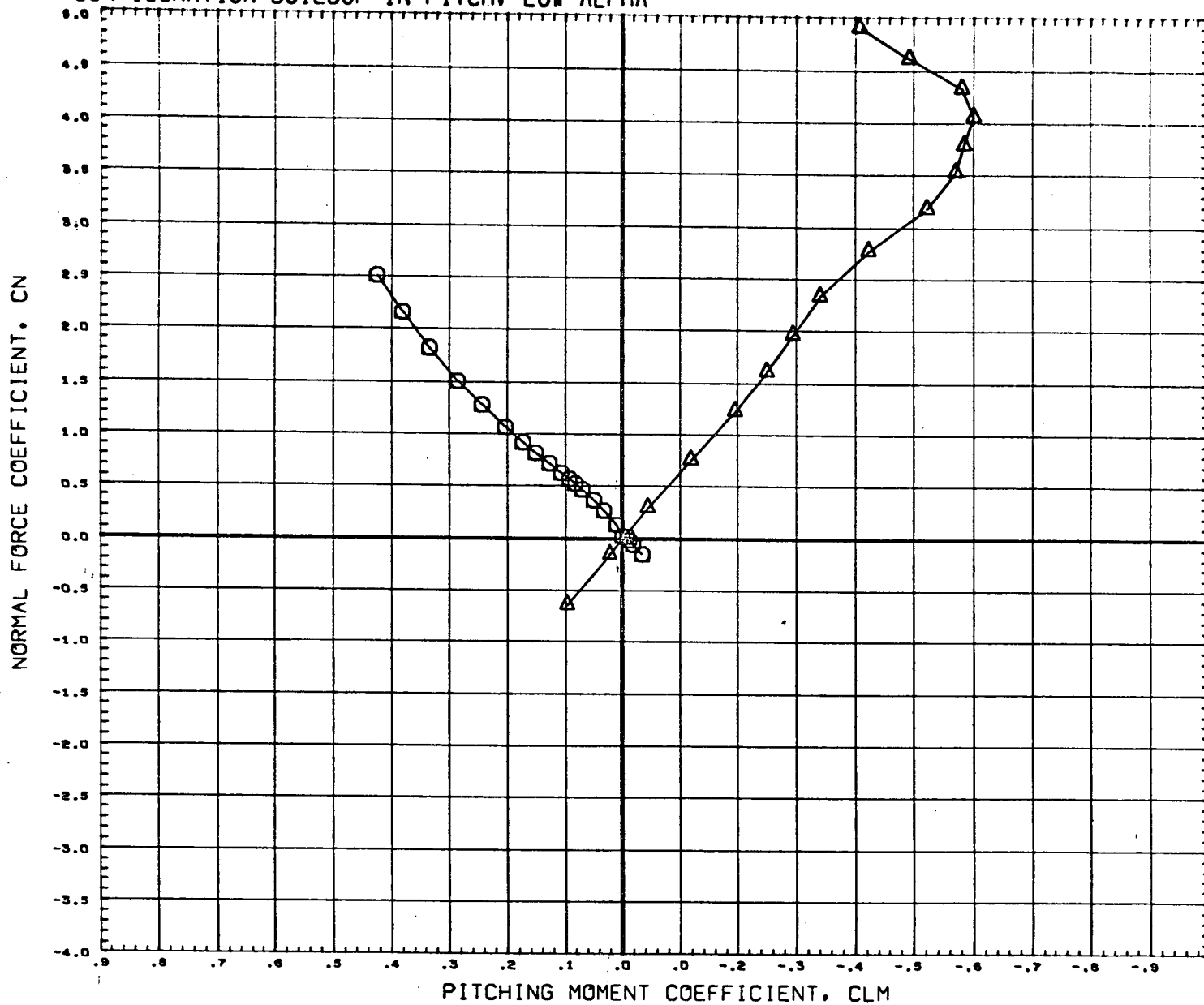
BETA	DELTA V
0.000	0.000
0.000	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRF	0.6000 LBODY
YMRF	0.0000 INCHES
ZMRF	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH .90

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

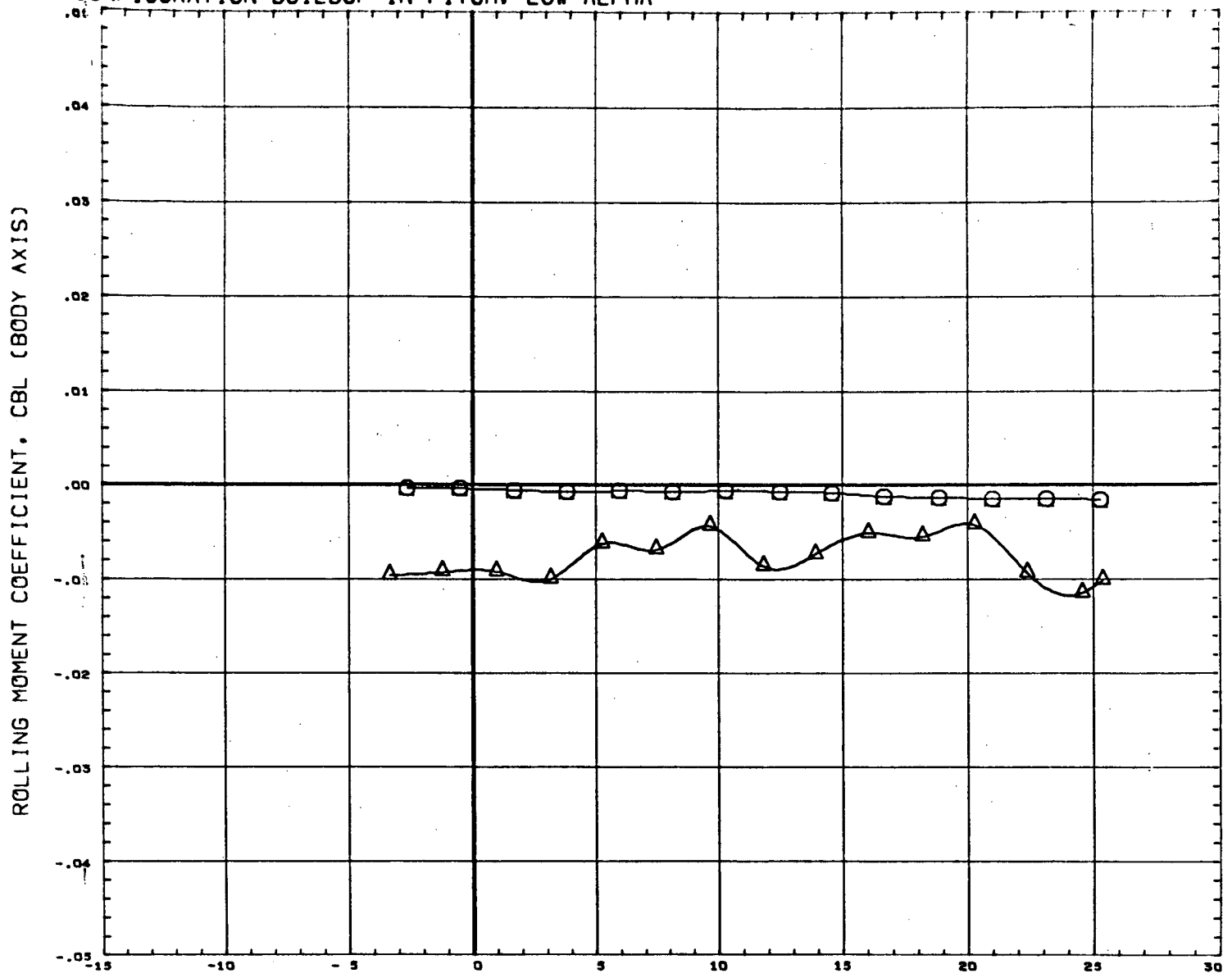


DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(AD8001)	BTWT 1282/BSWT 557	PR-FED 8RB	85S3	0.000		
(WD8501)	BTWT 1282/BSWT 557	PR-FED 8RB	85S3V6F	0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	L900Y
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.05

# CONFIGURATION BUILDUP IN PITCH. LOW ALPHA

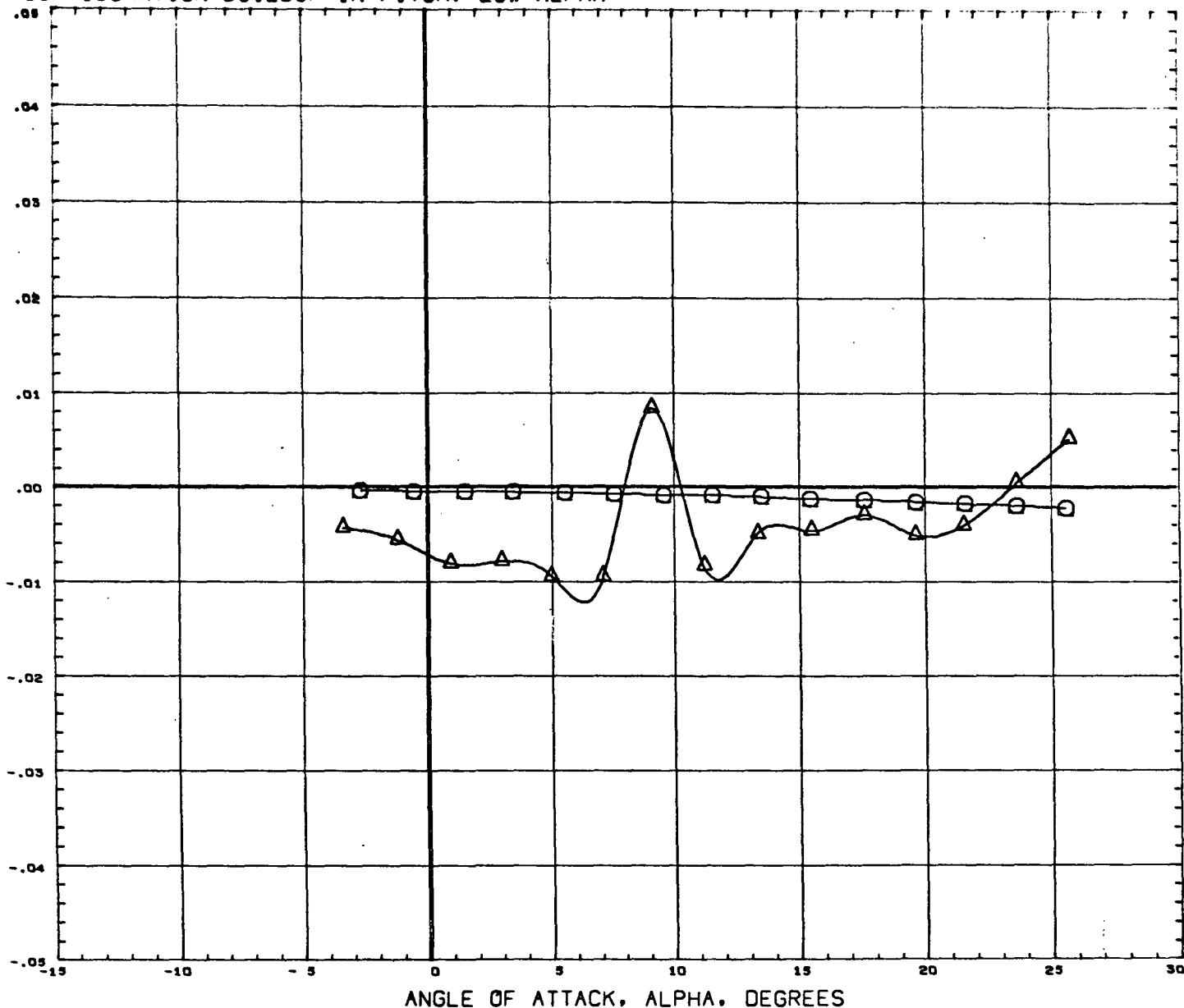


DATA SET SYMBOL    CONFIGURATION DESCRIPTION				BETA	DELTAV	REFERENCE INFORMATION	
(AD8001)	⊗	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000	SREF	9.7500 SQ. IN.
(WD8501)	△	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	LREF	14.6830 INCHES
						BREF	14.6830 INCHES
						XMRP	0.6000 LBODY
						YMRP	0.0000 INCHES
						ZMRP	0.0000 INCHES
						SCALE	0.6899 PERCENT

MACH .60

# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8001) BTWT 1282/BSWT 557 PR-FED BRB B5S3  
 (WD8501) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

BETA DELTAV

0.000 0.000  
 0.000 0.000

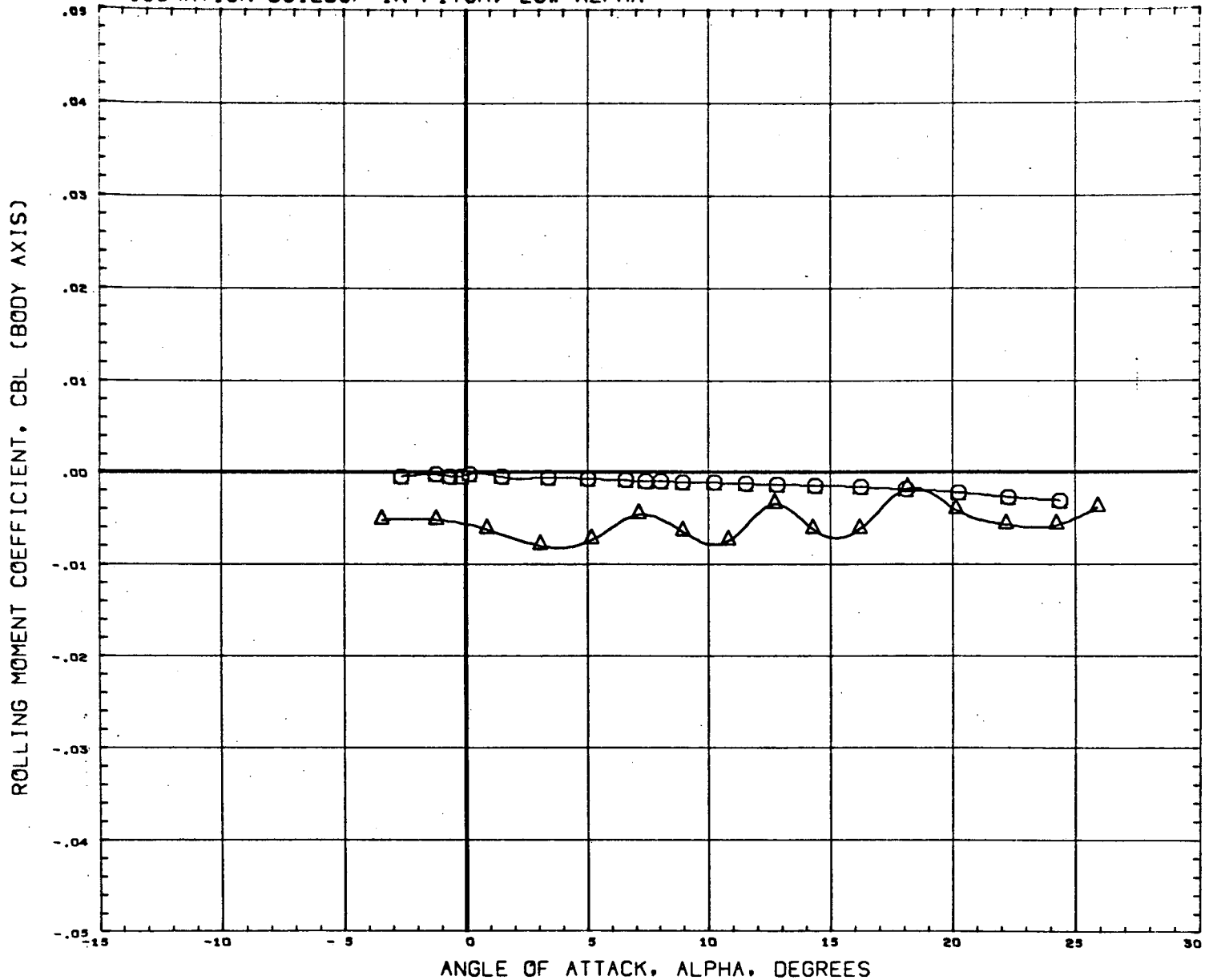
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH .90

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



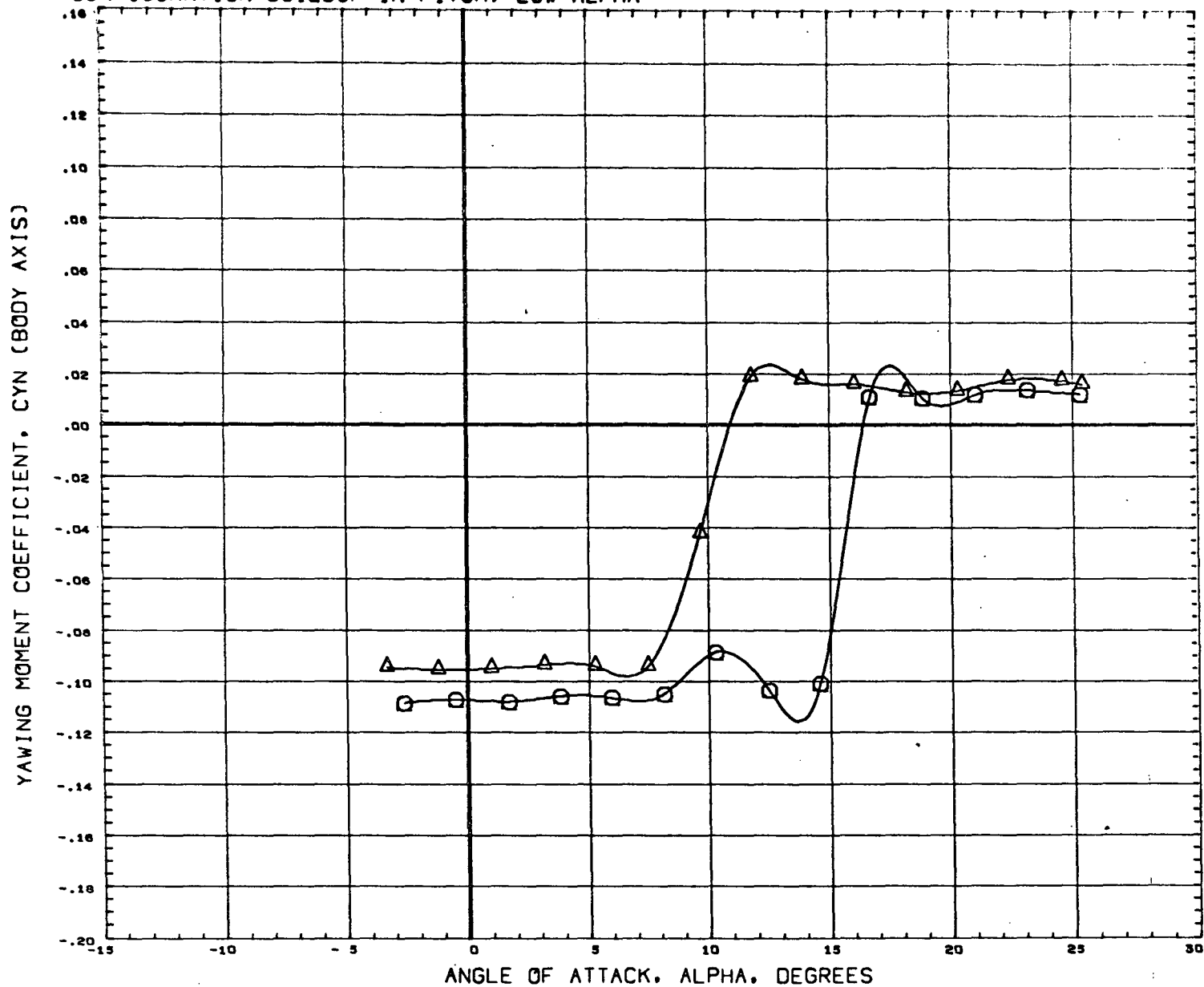
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV
(A08001)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000	0.000	
(W08501)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(WD8501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

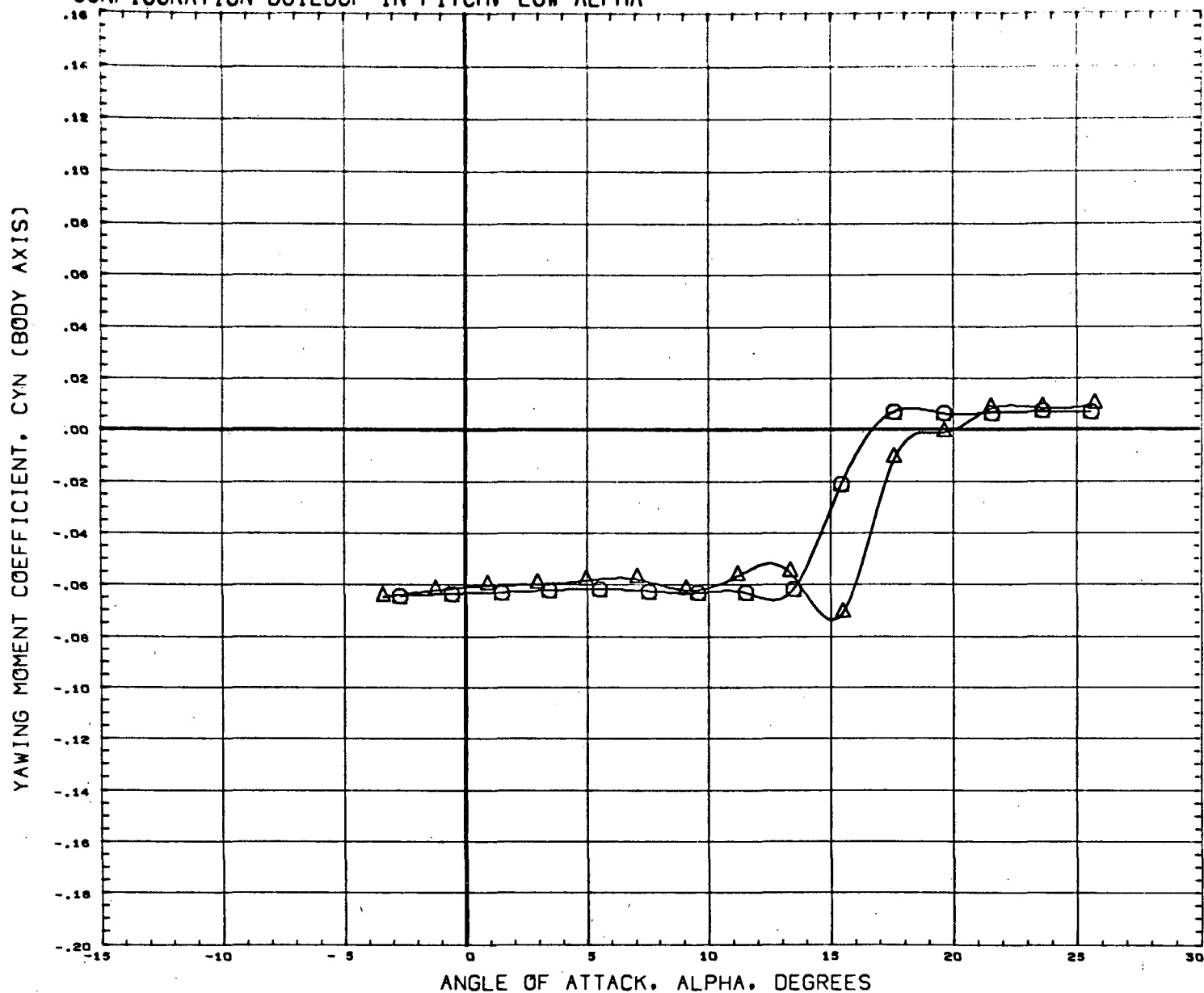
BETA	DELTA V
0.000	0.000
0.000	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH .60

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (AD8001) BTWT 1282/BSWT 557 PR-FED BRB B5S3  
 (WD8501) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

BETA DELTAV  
 0.000 0.000  
 0.000 0.000

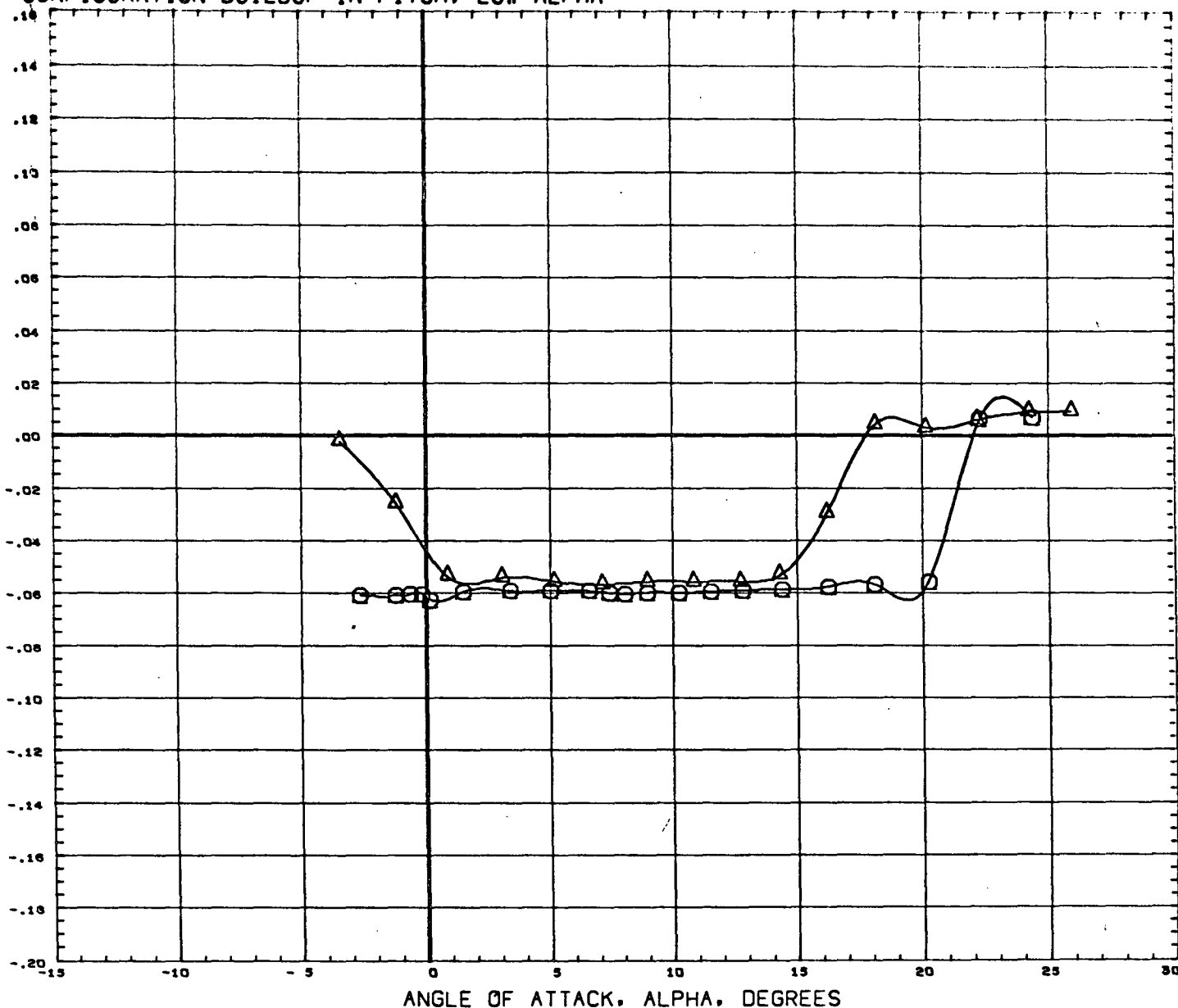
REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRF 0.6000 LBODY  
 YMRF 0.0000 INCHES  
 ZMRF 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH .90

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (AD8001) BTWT 1282/BSWT 557 PR-FED BRB B5S3  
 (WD8501) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

BETA DELTAV  
 0.000 0.000  
 0.000 0.000

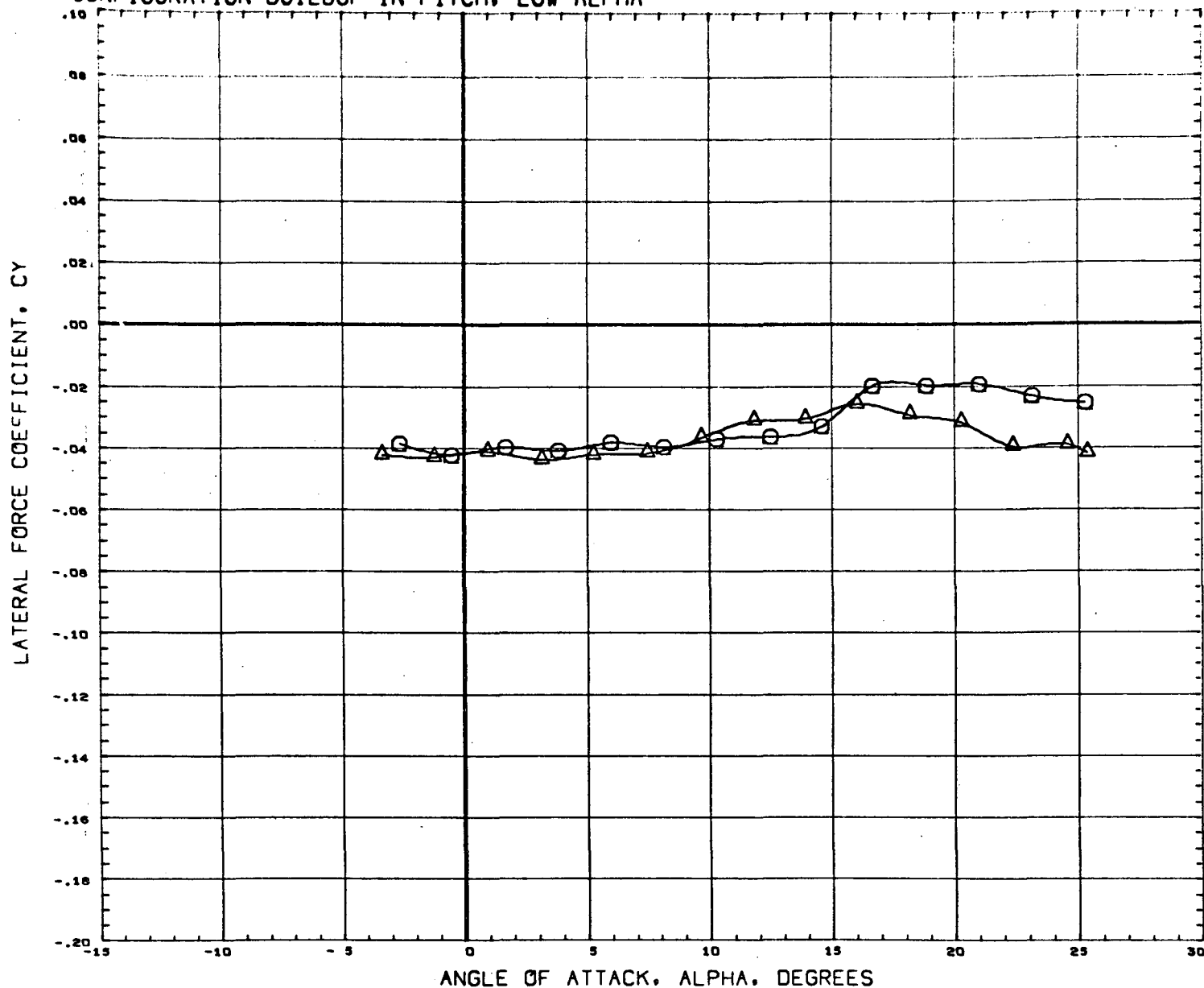
REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 1.05

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8001)	BTWT 1282/BSWT 557	PR-FED BR8	85S3
(WD8501)	BTWT 1282/BSWT 557	PR-FED BR8	85S3V6F

BETA DELTAV

0.000	0.000
0.000	0.000

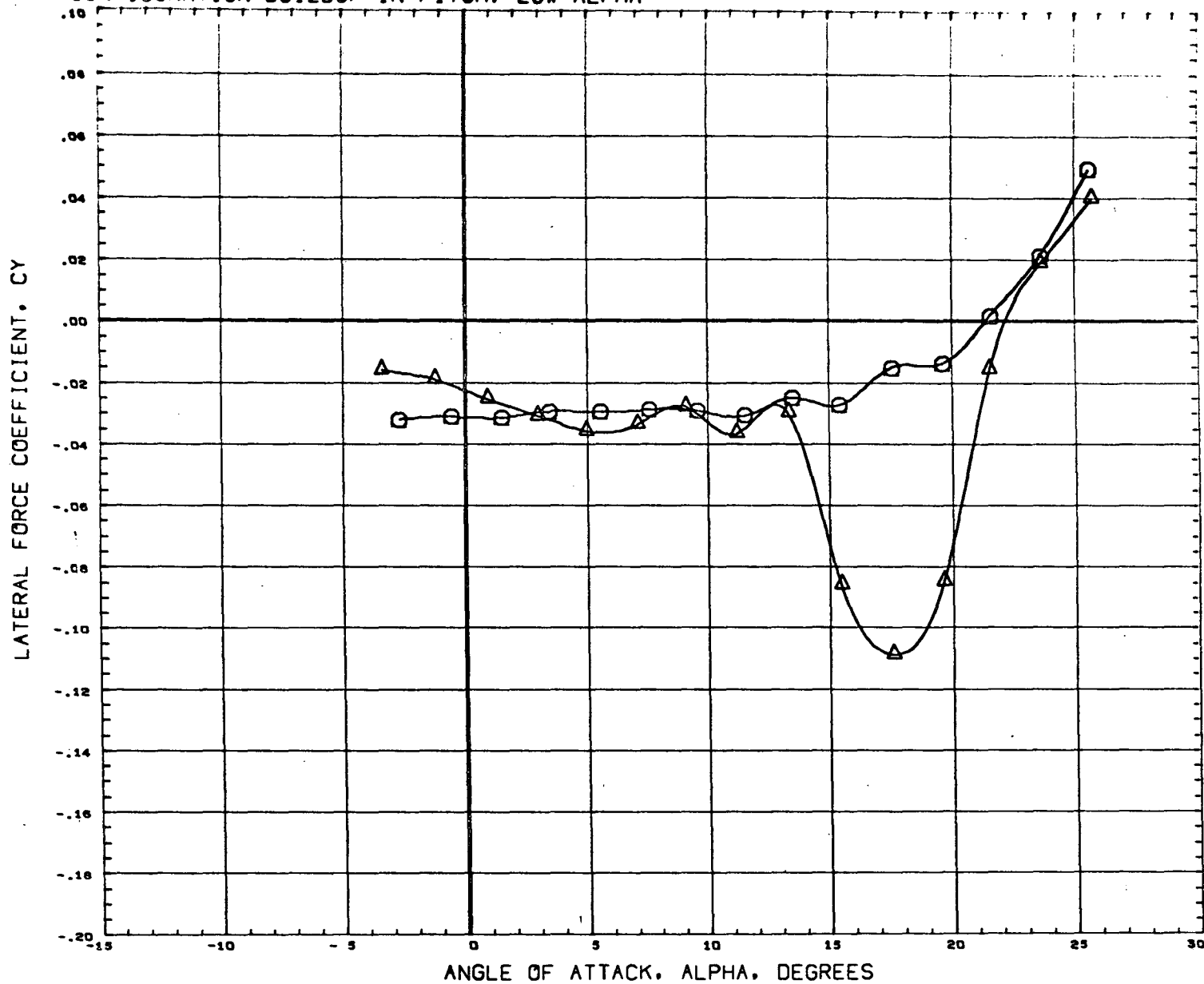
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH .60

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



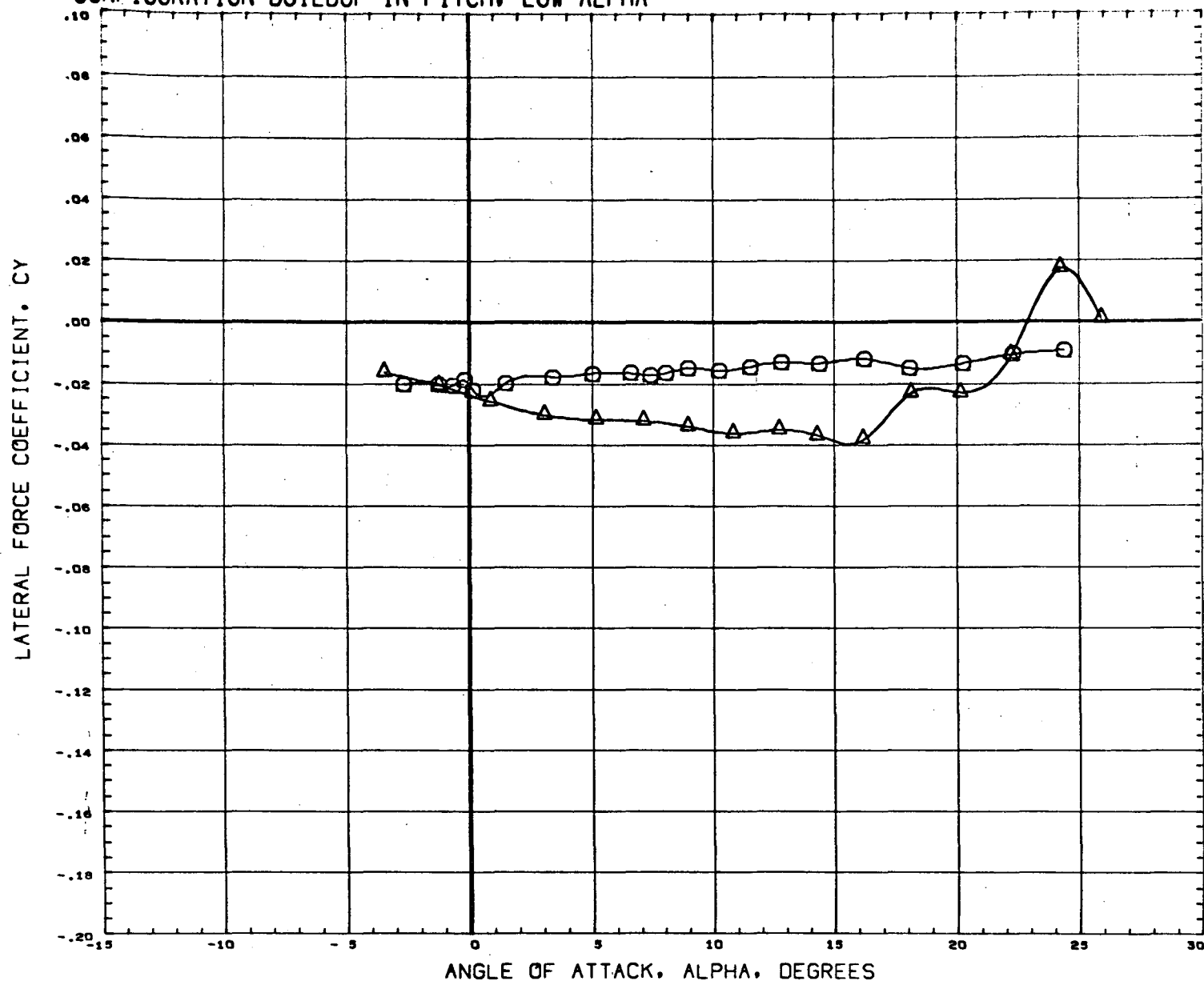
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	0.000
(WD8501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6899	PERCNT

MACH .90

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8001)	Q	BTWT 1282/BSWT 557	PR-FED BRB	B5S3
(WD8501)	A	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F

BETA DELTAV

0.000	
0.000	0.000

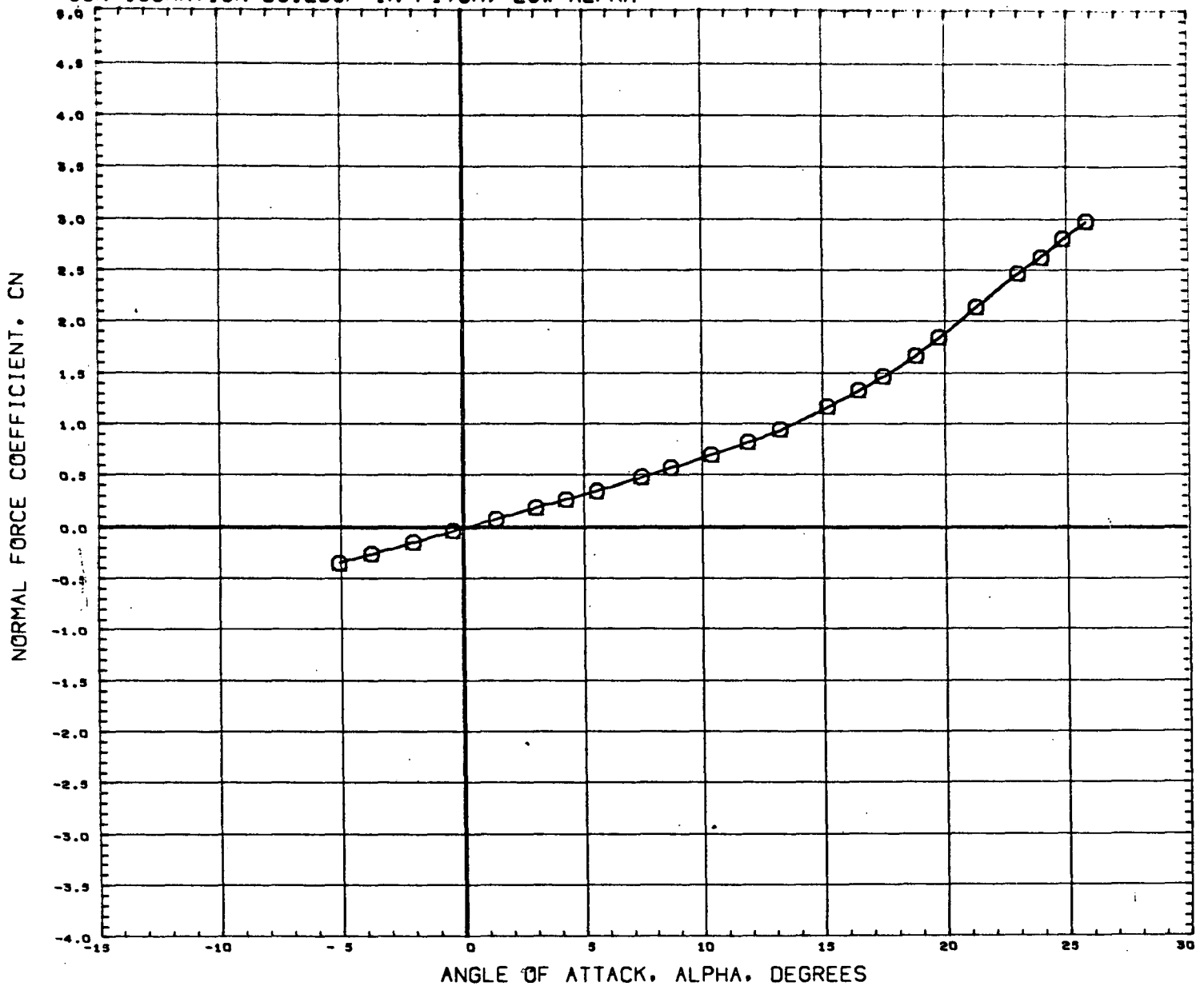
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.05

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(RD8831)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8801)	DATA NOT AVAILABLE FOR ALL CONDITIONS

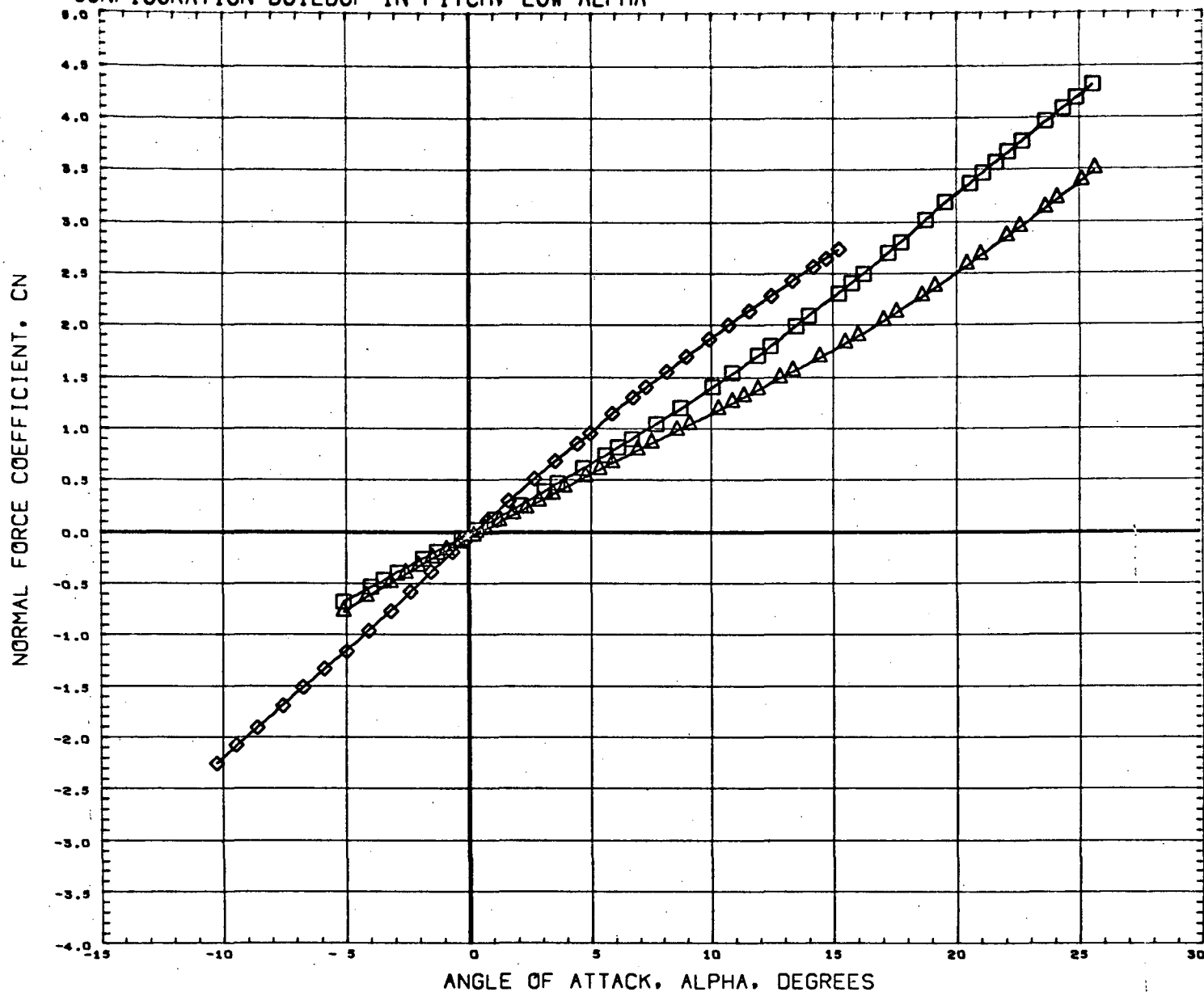
BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 1.29

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3

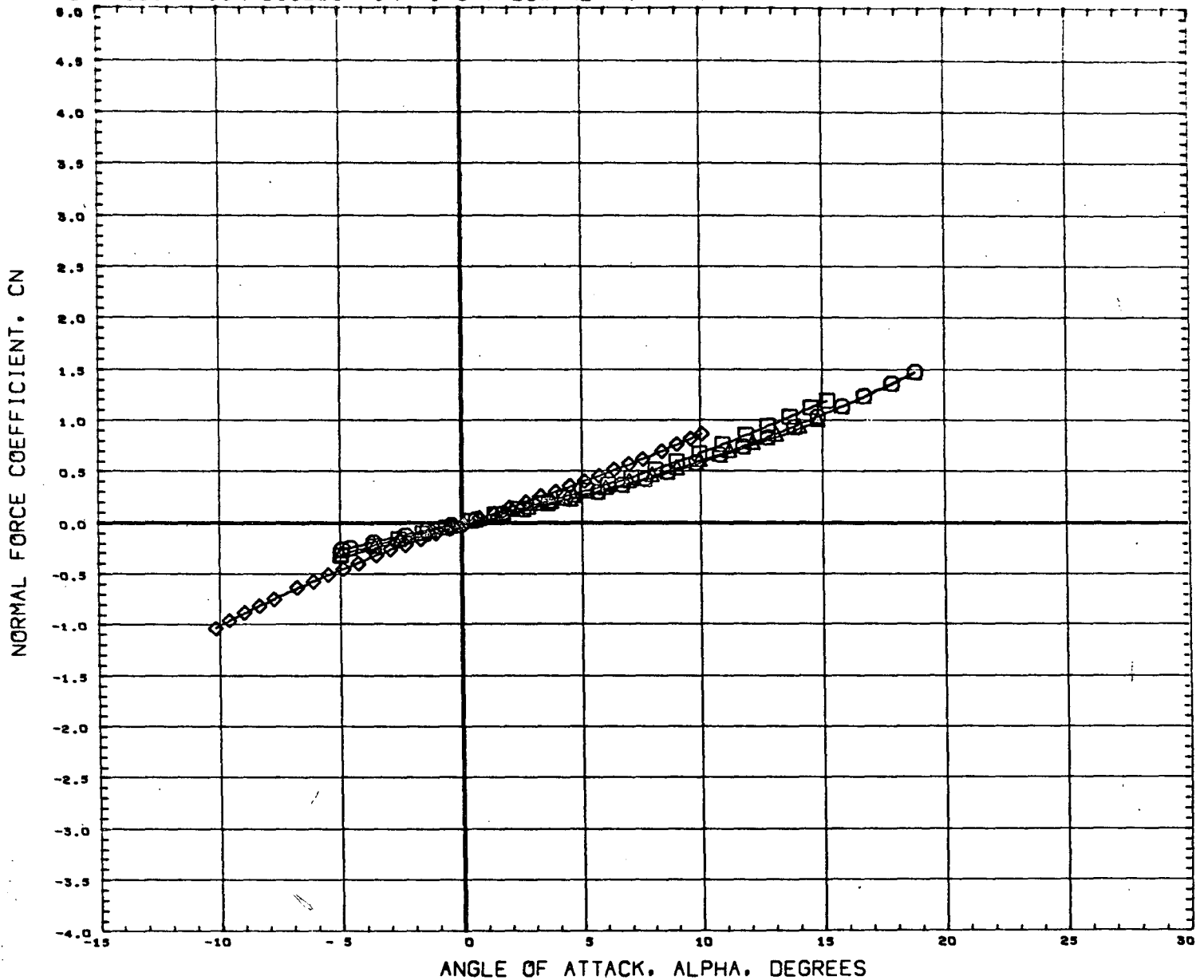
BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LB/00Y
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 1.40

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

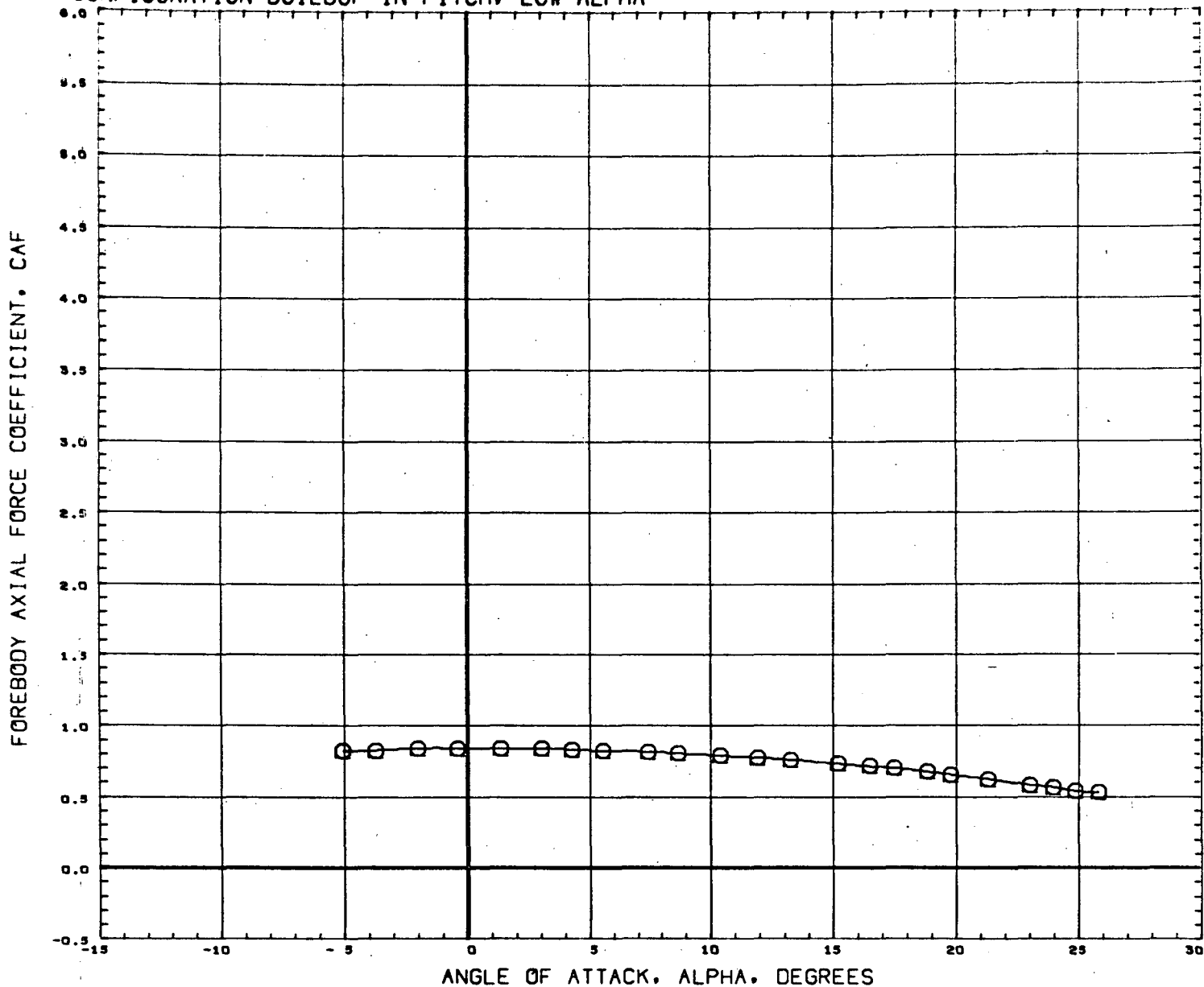


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(RD8031)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		LREF 14.6830 INCHES
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	BREF 14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(B08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(R08831)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(A08401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08801)	DATA NOT AVAILABLE FOR ALL CONDITIONS

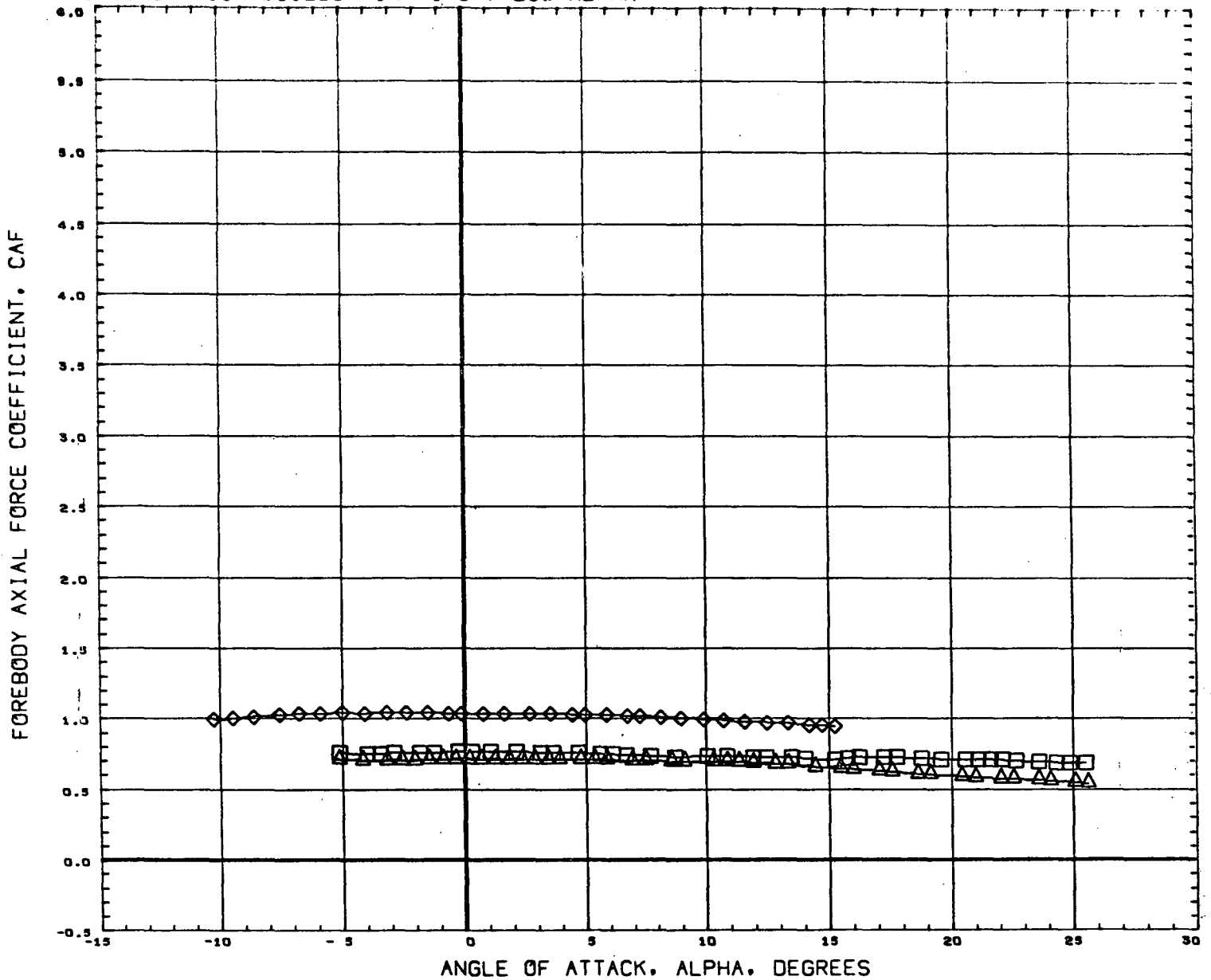
BETA	DELTA V
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB 85S2V3.2	0.000		LREF	14.6830 INCHES
(AD8441)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	BREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB 85S2V3	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.40

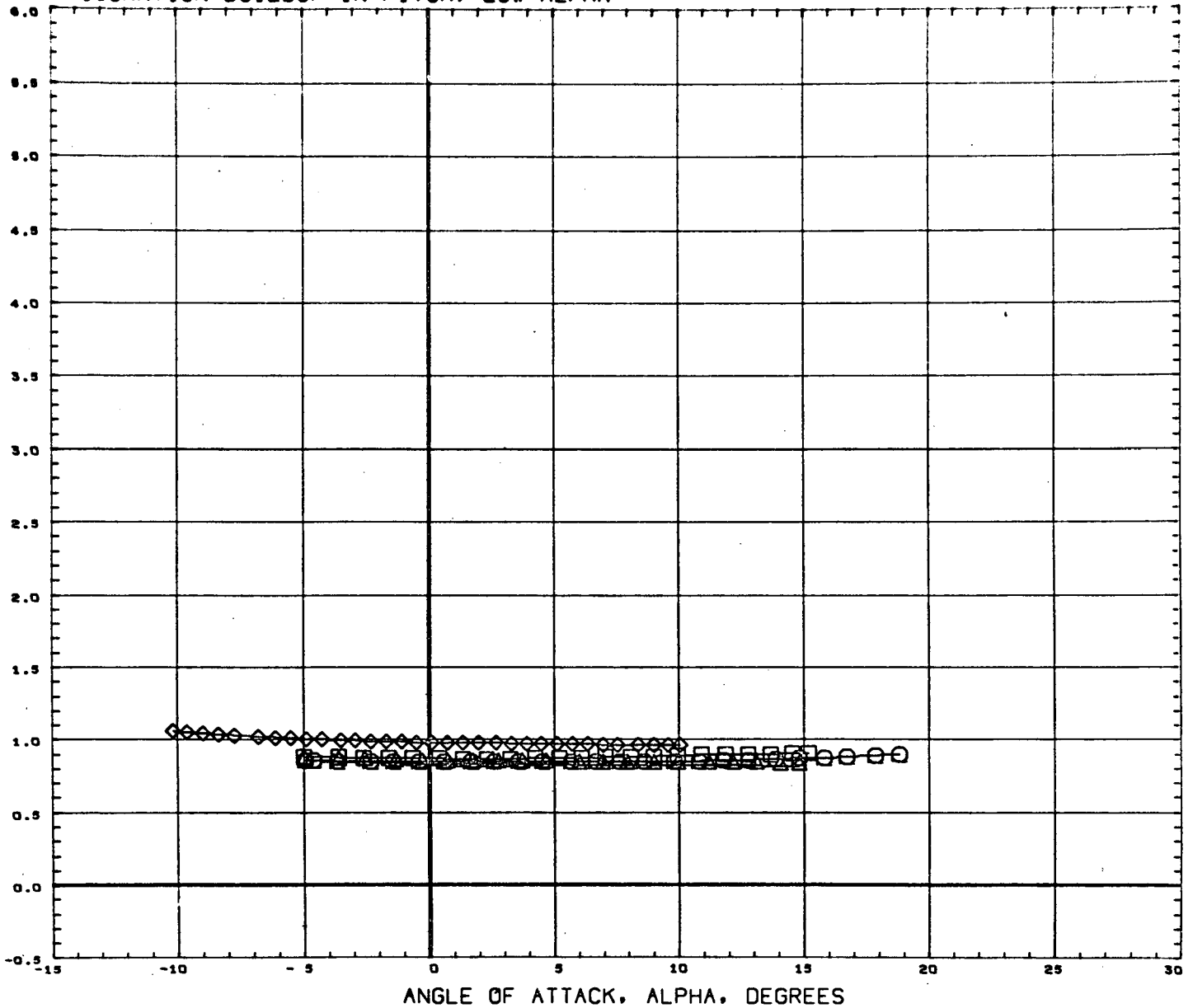
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B



# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



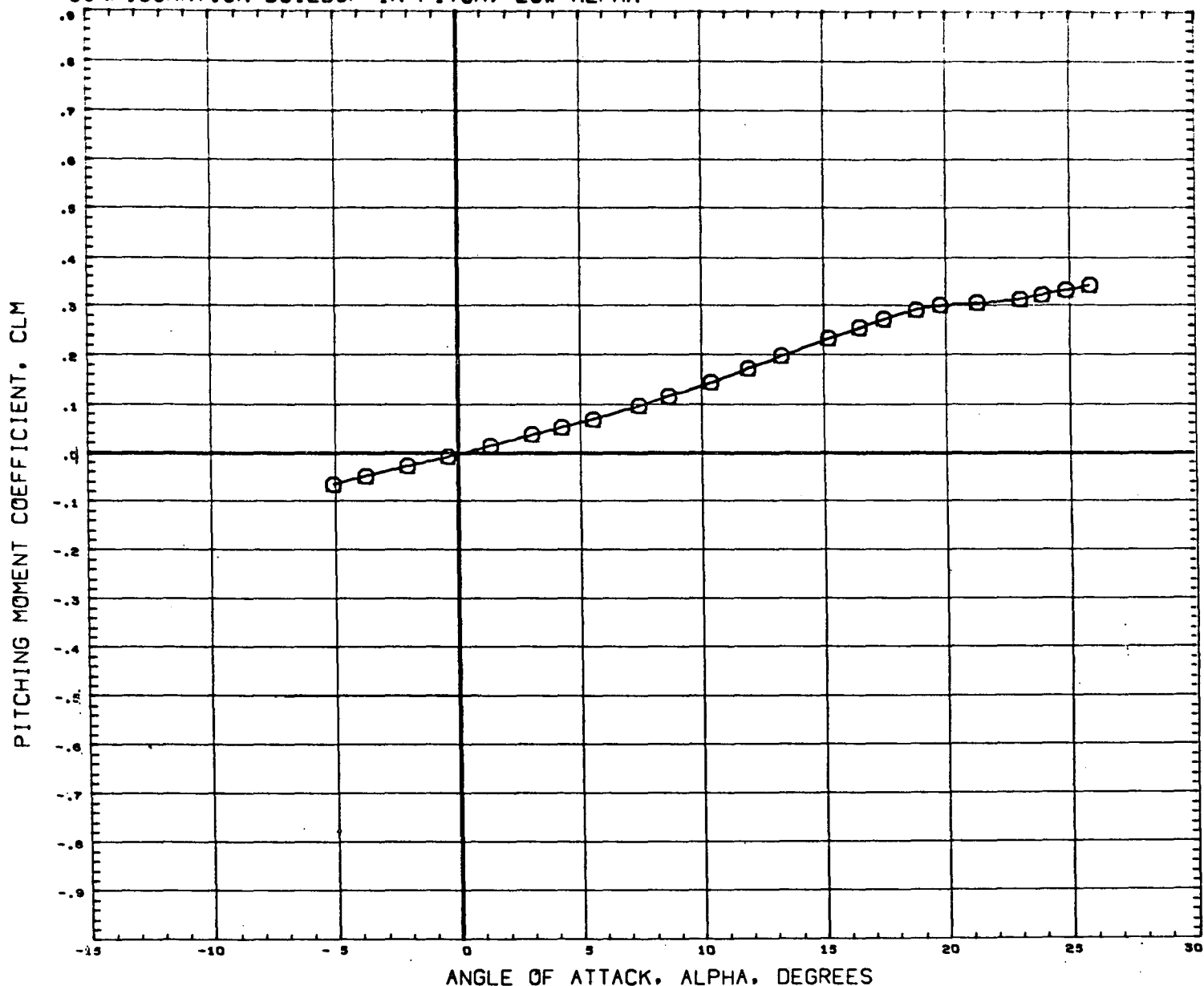
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD8001)	BTWT 1262/BSWT 557 PR-FED BRB 85S3	0.000	
(RD8831)	BTWT 1262/BSWT 557 PR-FED BRB 85S2V3.2	0.000	
(AD8401)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000
(RD8801)	BTWT 1262/BSWT 557 PR-FED BRB 85S2V3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8593
(RD8831)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8801)	DATA NOT AVAILABLE FOR ALL CONDITIONS

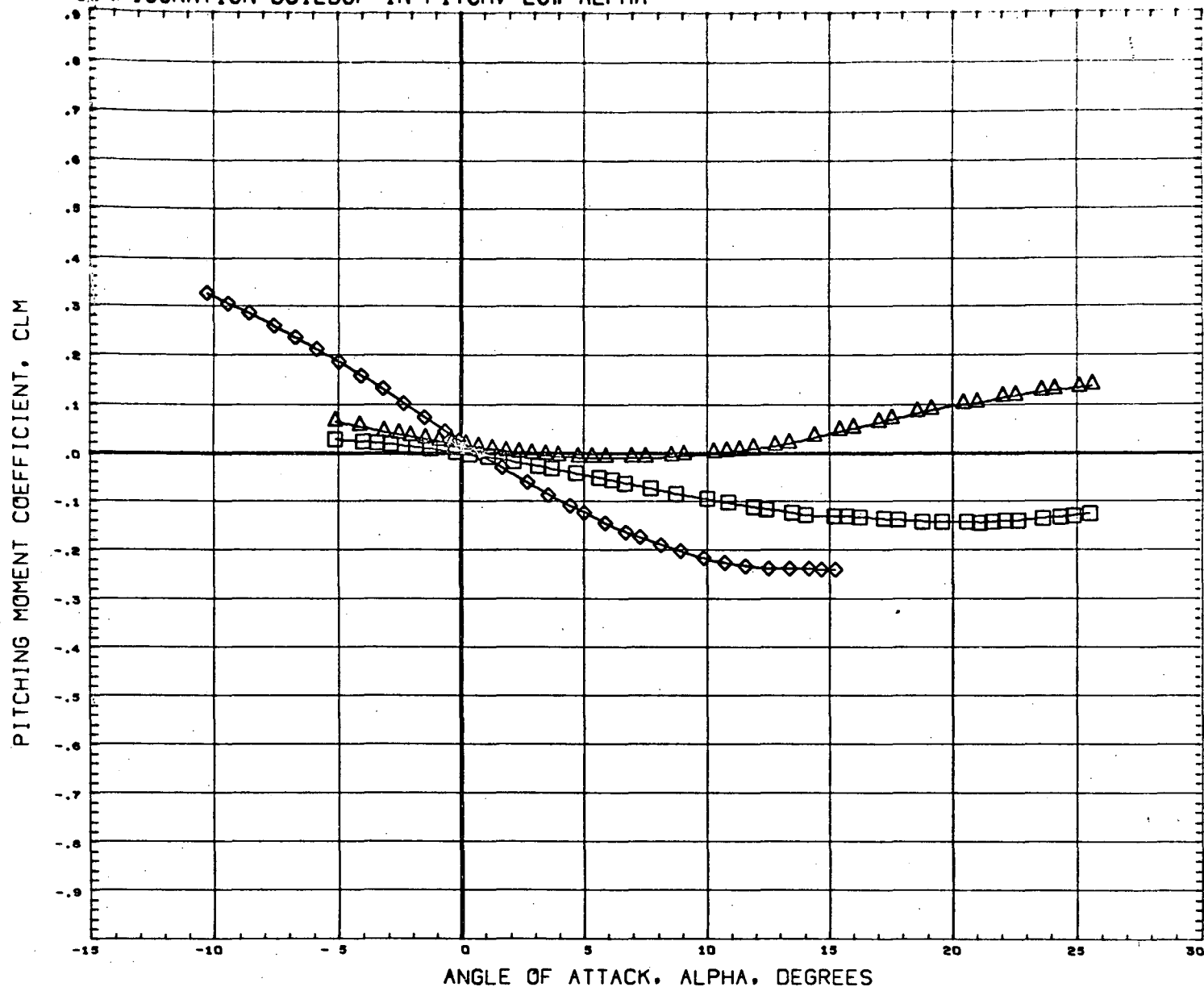
BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	BETA	DELTA V
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000	
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000	

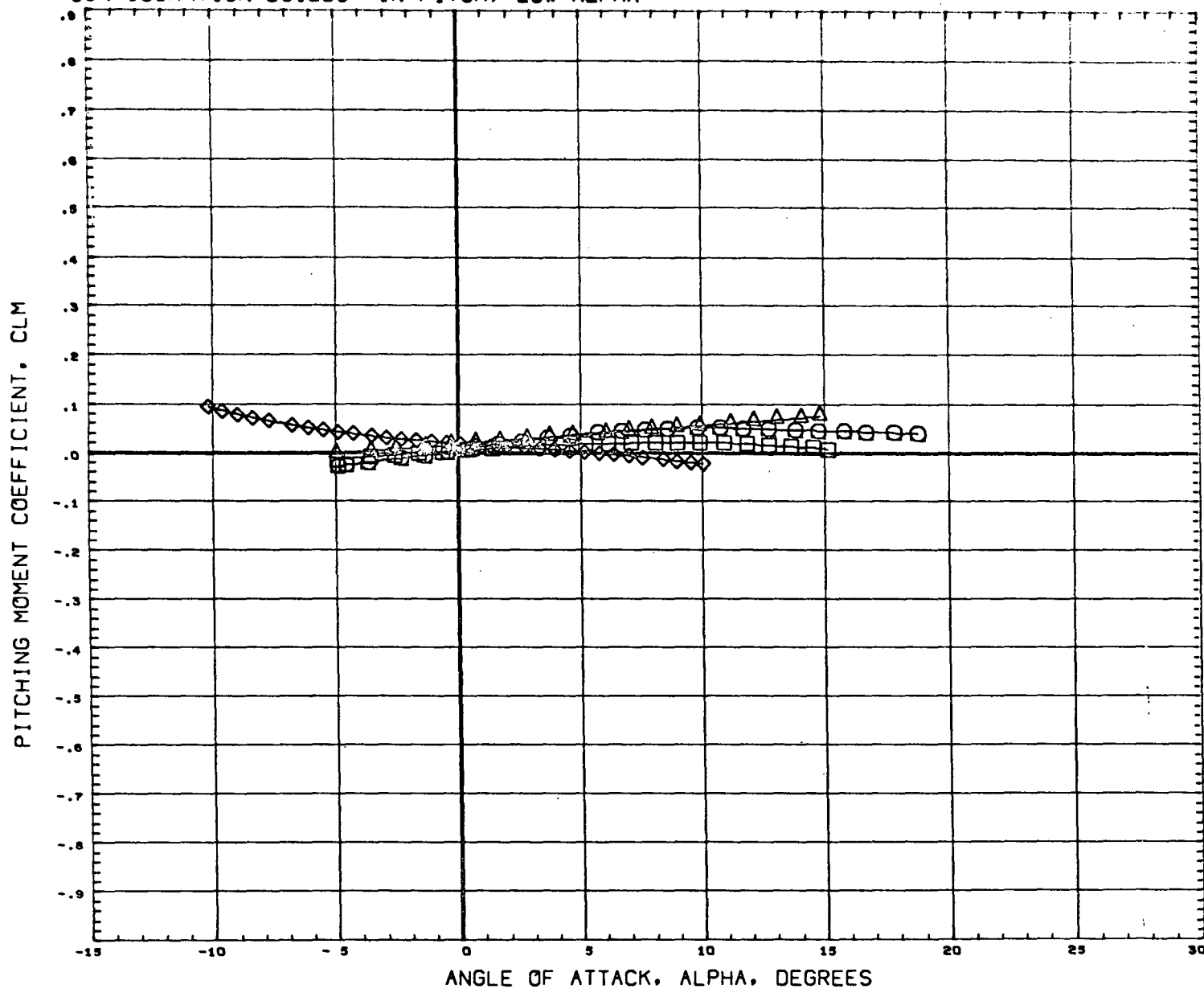
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LEADY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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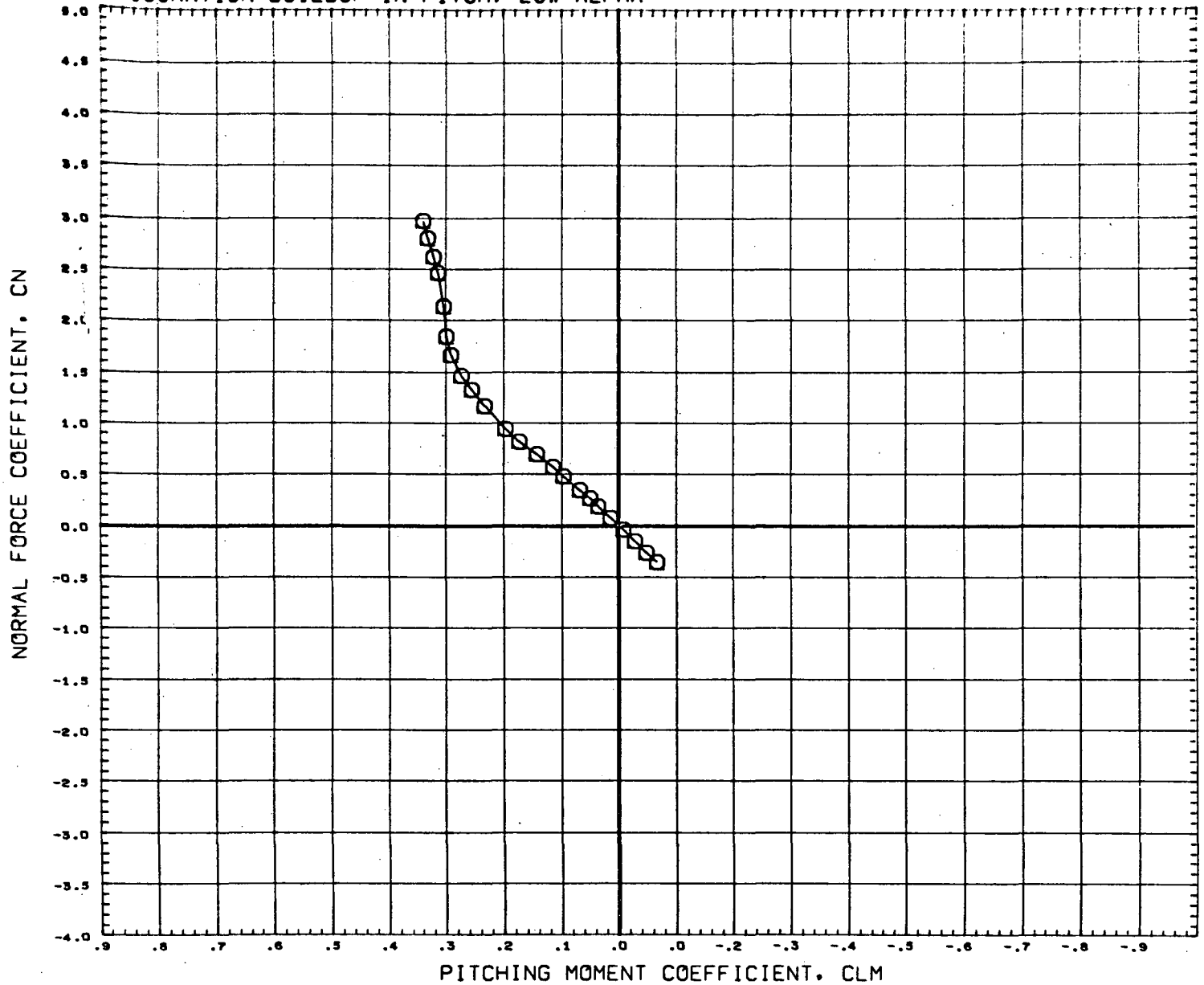
# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		LREF 14.6830 INCHES
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	BREF 14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(RD8831)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8801)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

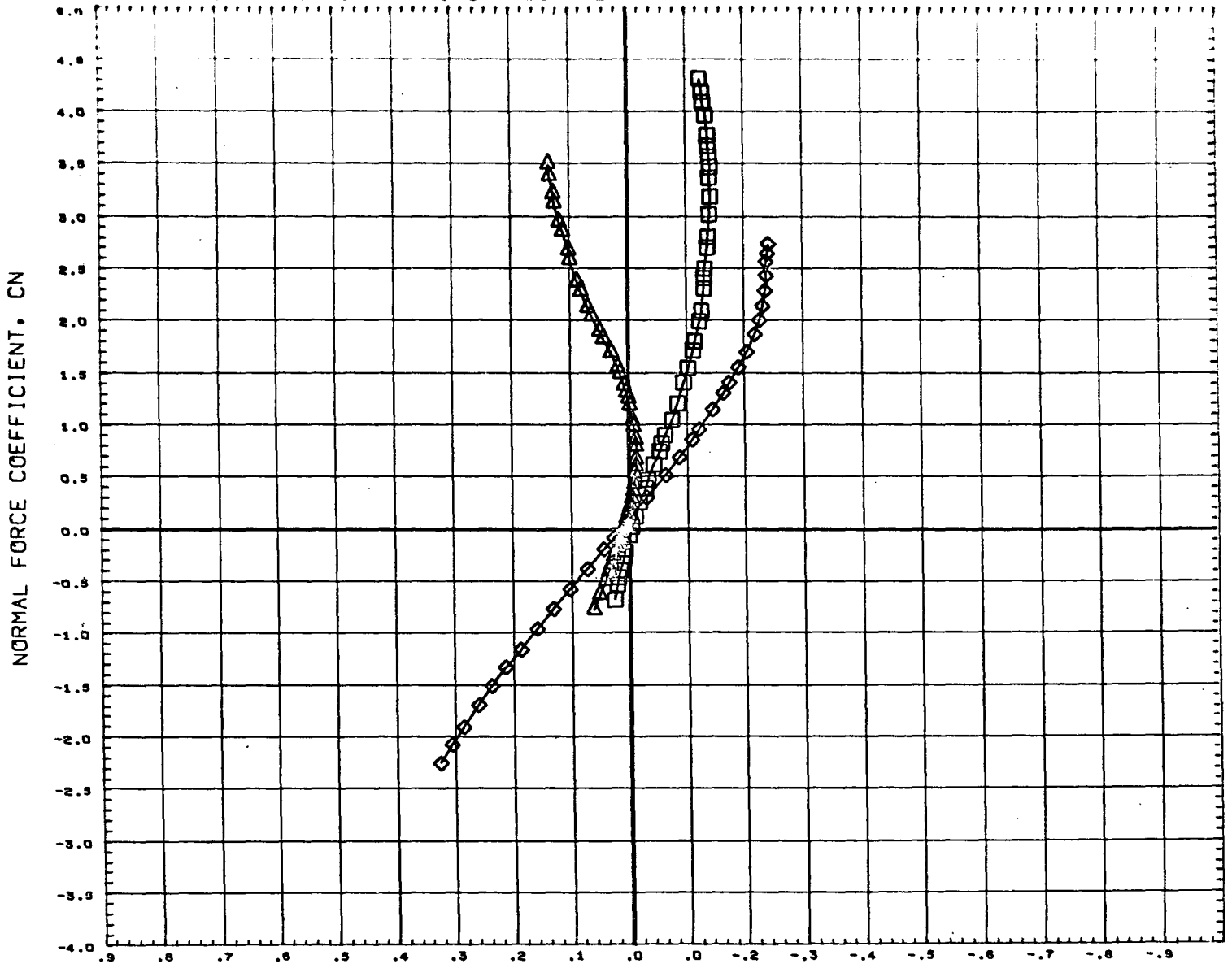
MACH

1.29

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49

# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3

BETA	DELTA V
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

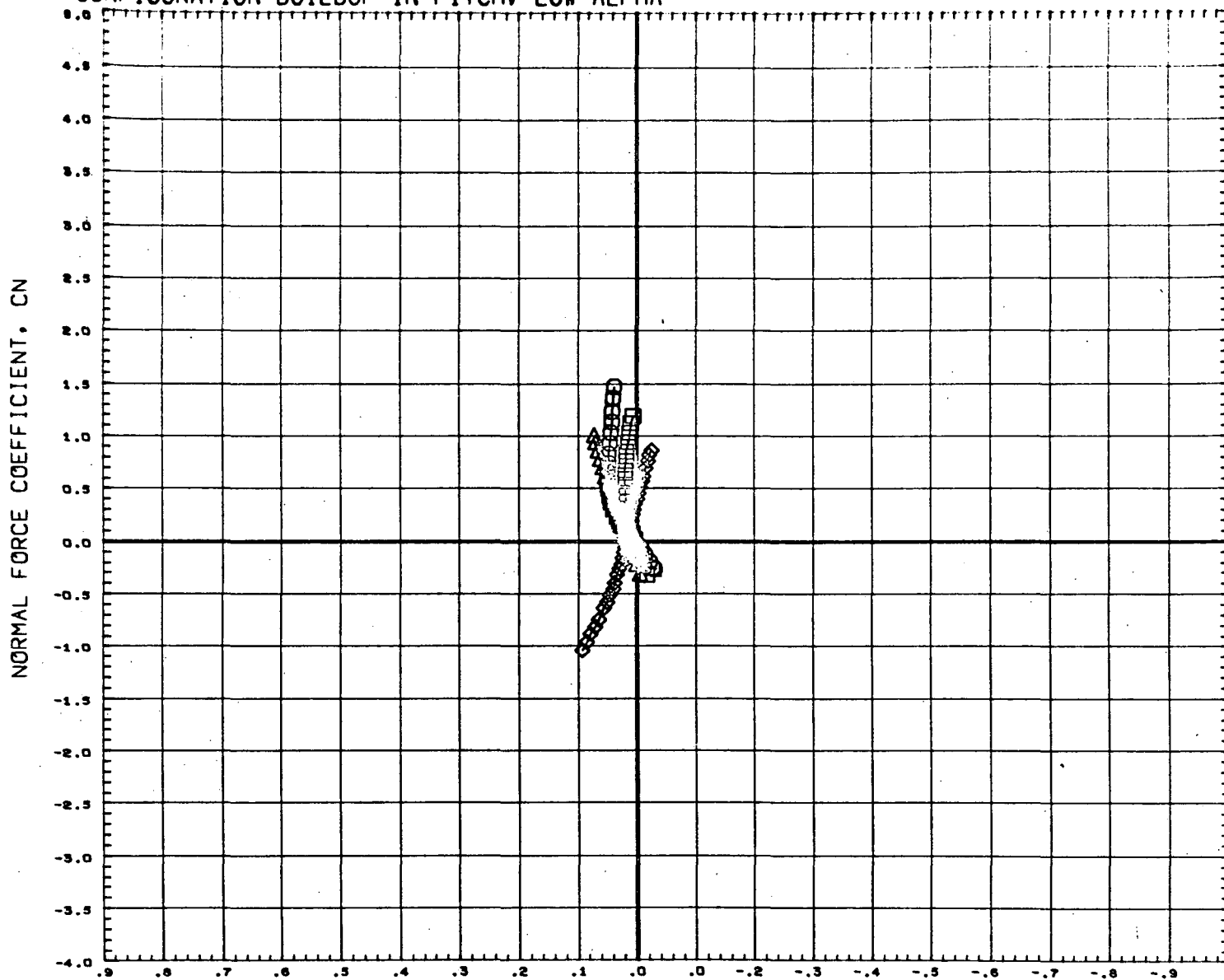
MACH

1.40

PAGE

50

# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(B08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(R08831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		LREF 14.6830 INCHES
(A08401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	BREF 14.6830 INCHES
(R08501)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH

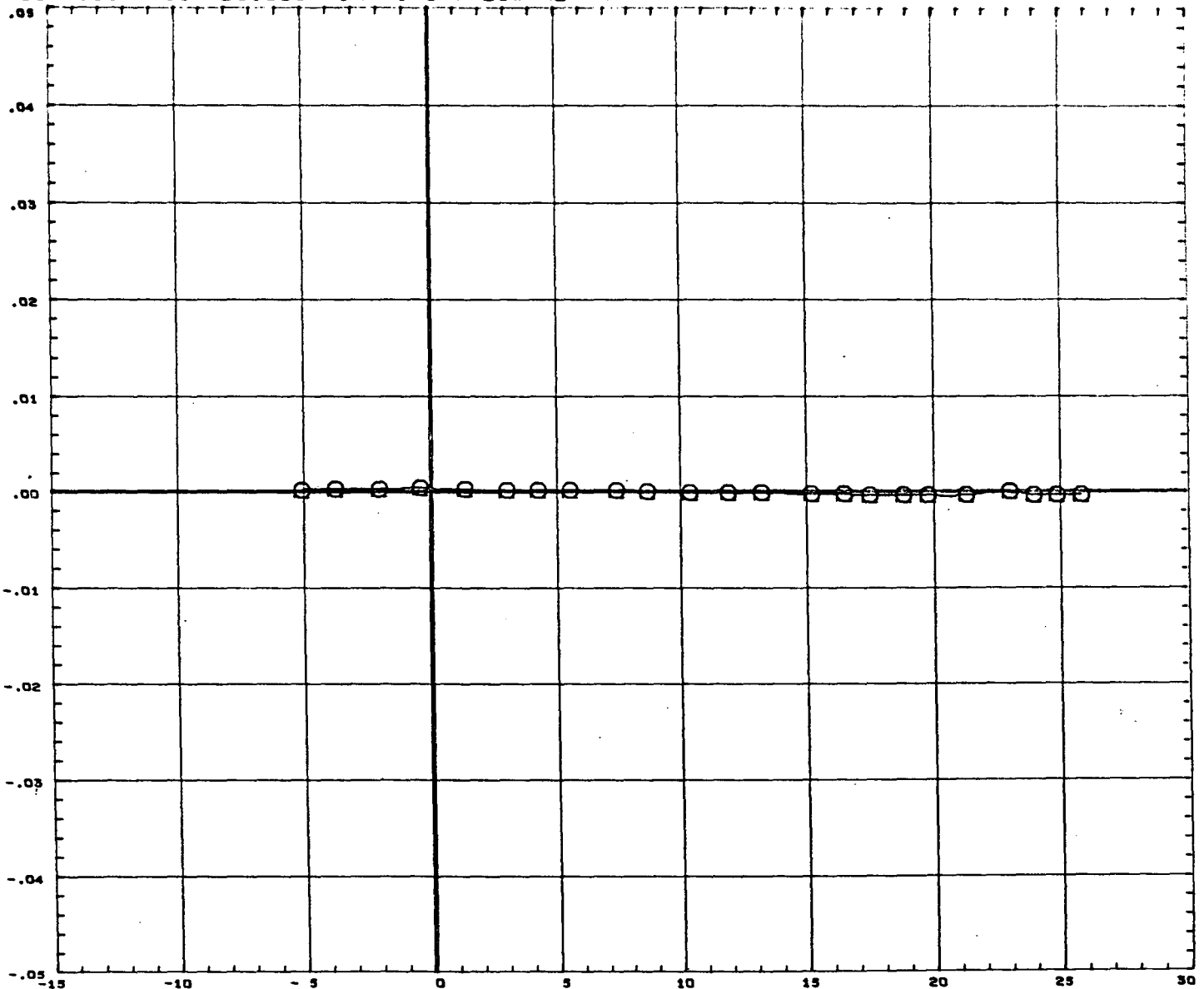
3.98

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51

# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(RD8831)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8801)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

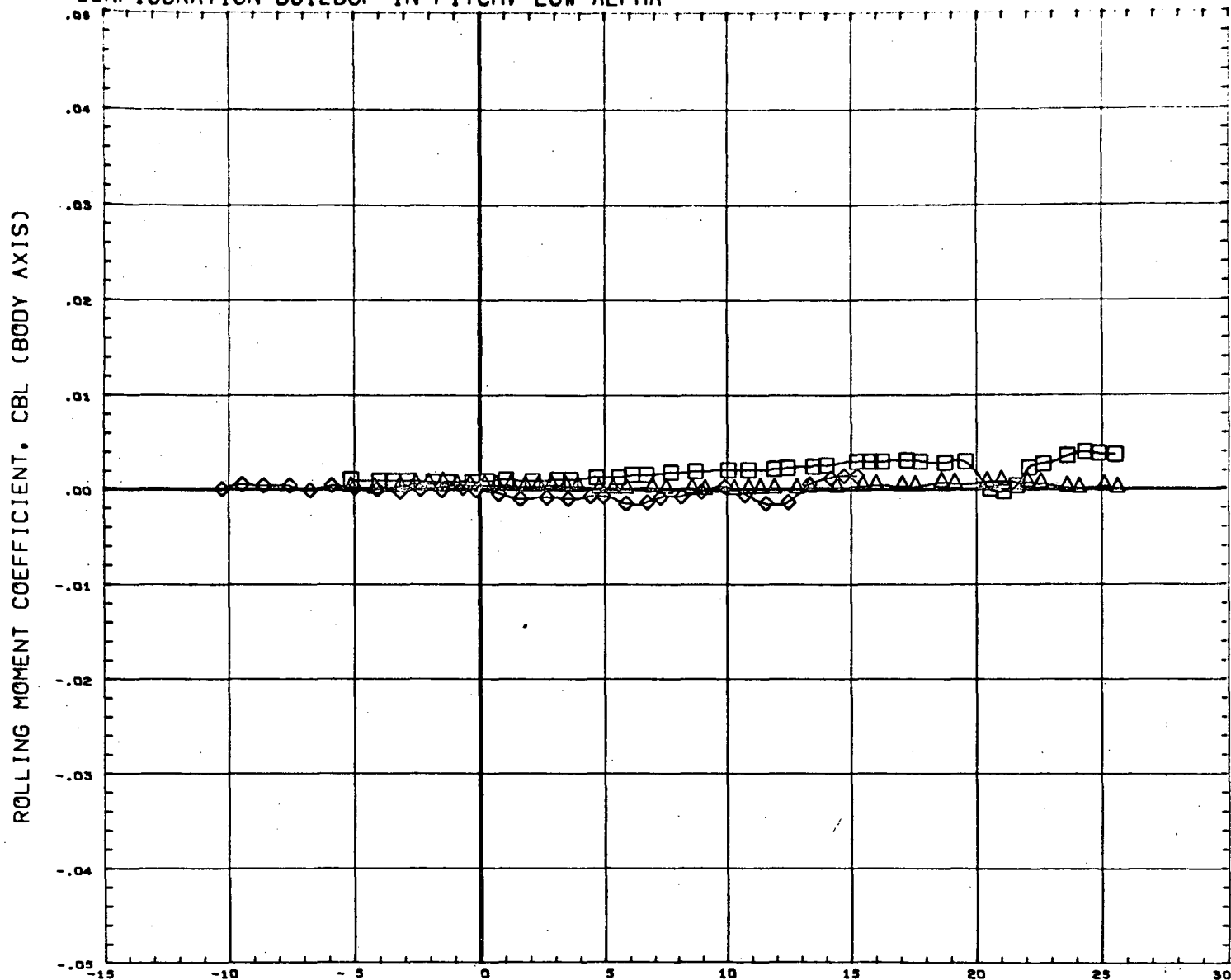
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LB/OY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



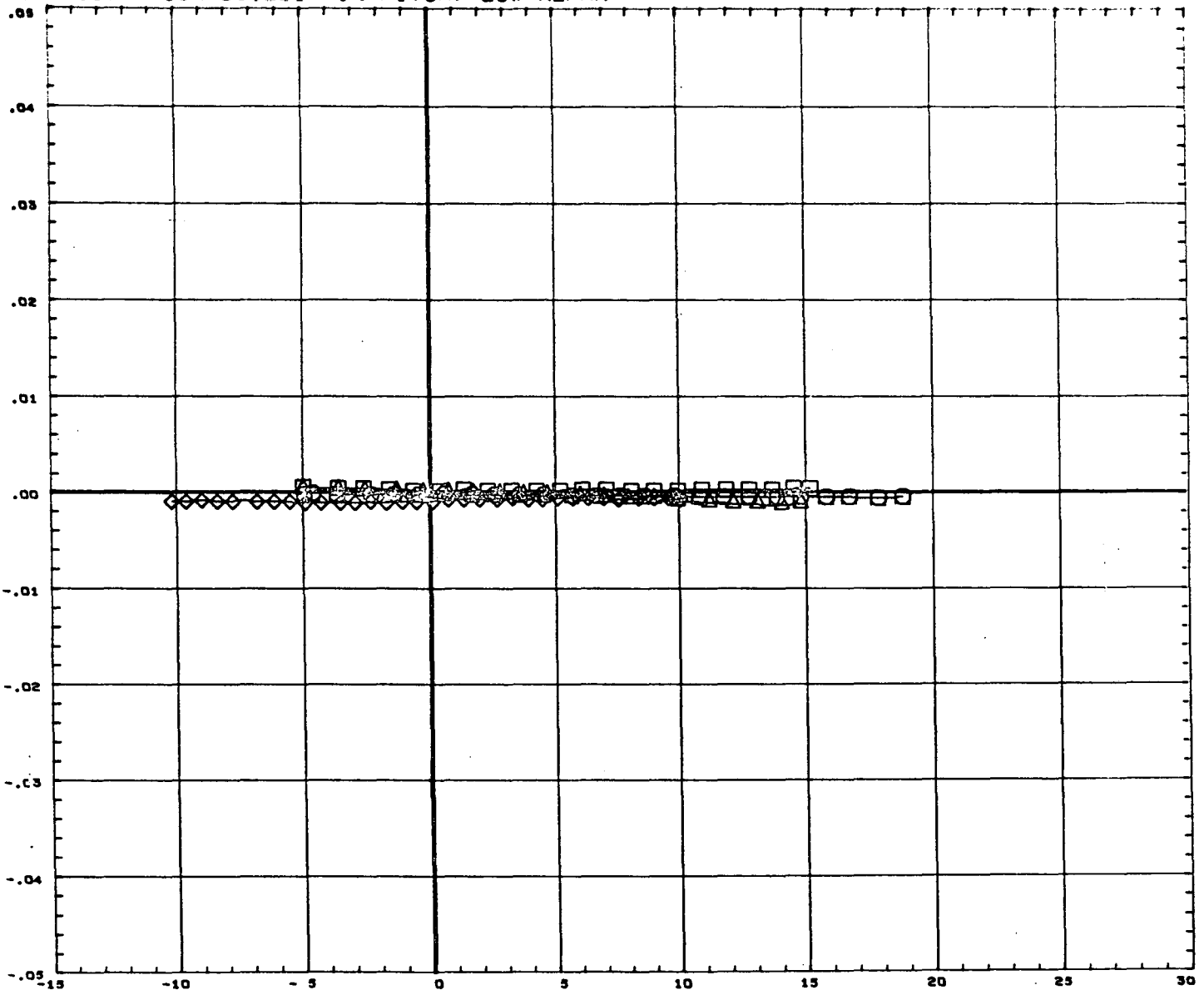
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS.	0.000		SREF	9.7500 SQ. IN.
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		LREF	14.6830 INCHES
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	BREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.40

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(B08001)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3
(R08831)	BTWT 1282/BSWT 557	PR-FED BRB	B5S2V3.2
(A08401)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6
(R08801)	BTWT 1282/BSWT 557	PR-FED BRB	B5S2V3

BETA DELTAV

0.000	
0.000	
0.000	0.000
0.000	

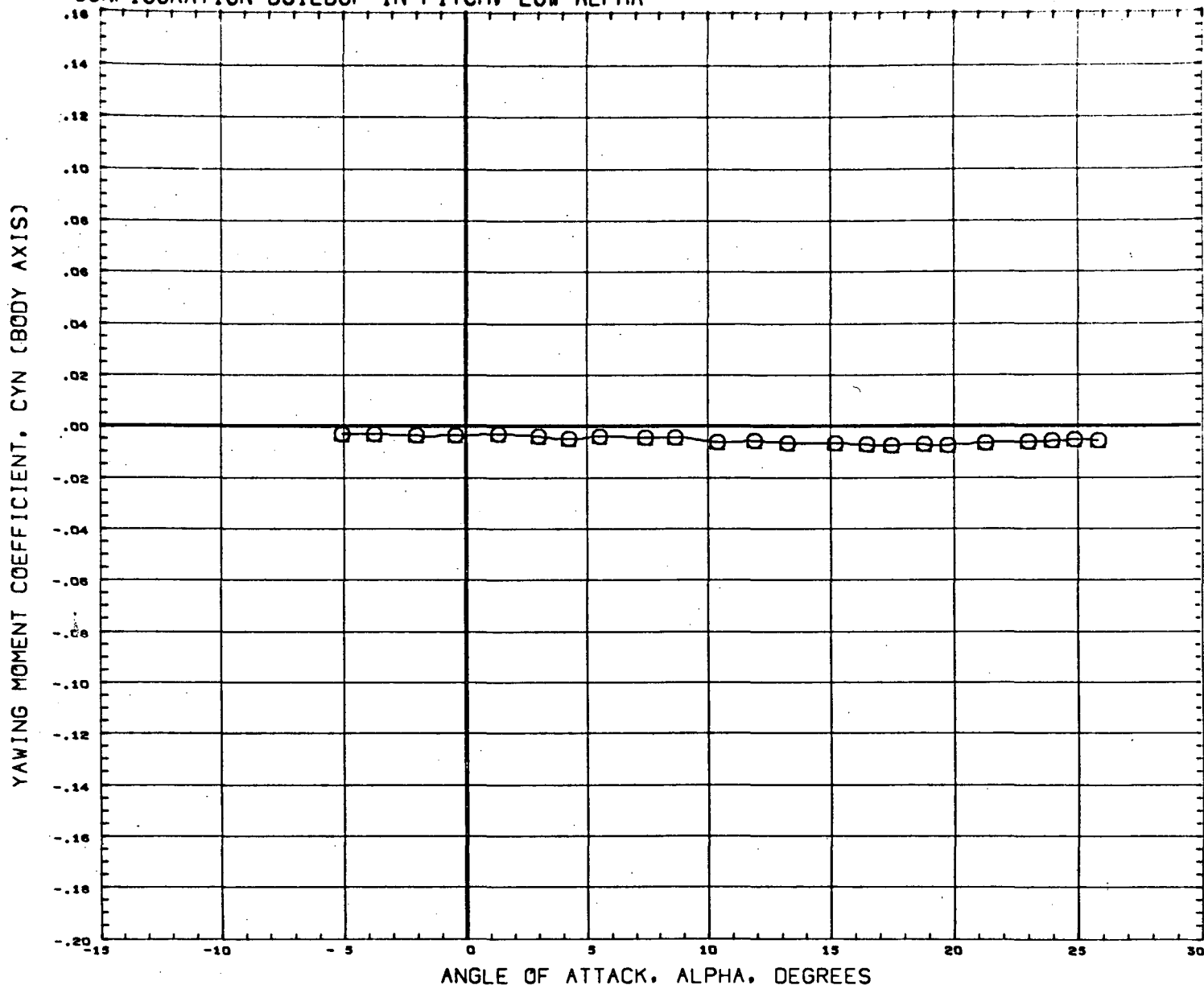
REFERENCE INFORMATION

SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(RD8831)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8801)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

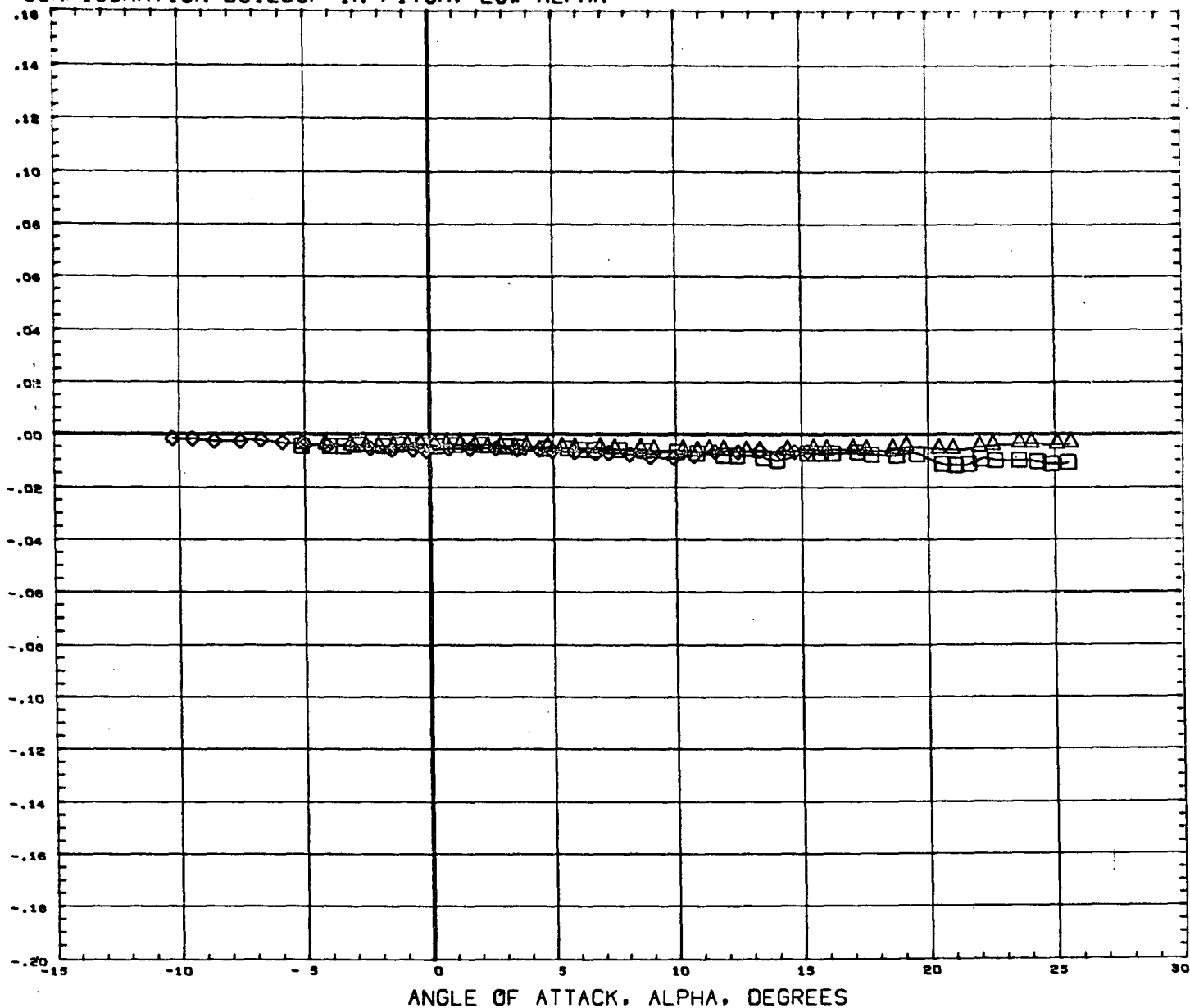
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(B08001)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08831)	BTWT 1282/BSWT 557 PR-FED BRB B552V3.2
(A08401)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(R08801)	BTWT 1282/BSWT 557 PR-FED BRB B552V3

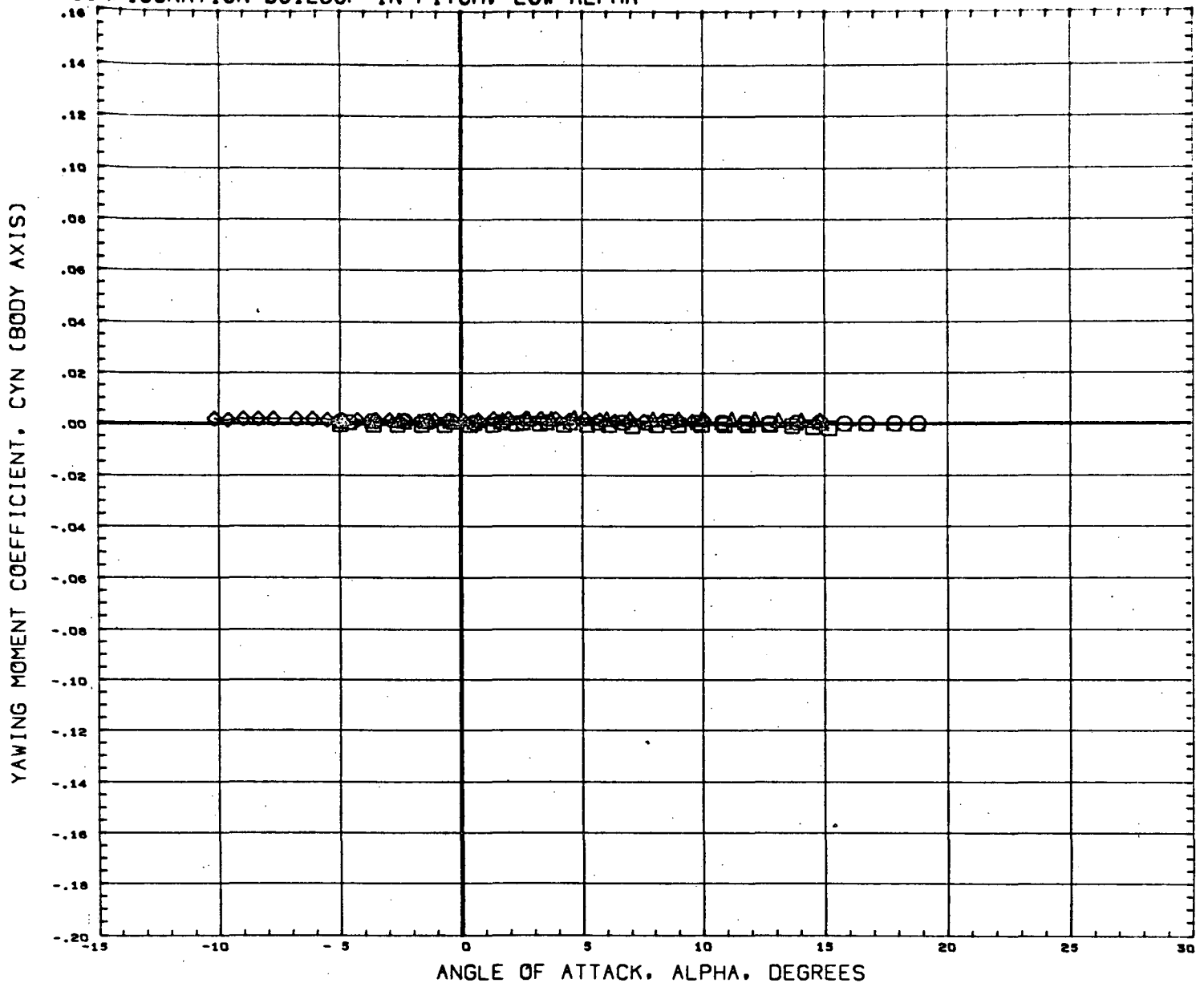
BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.40

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA

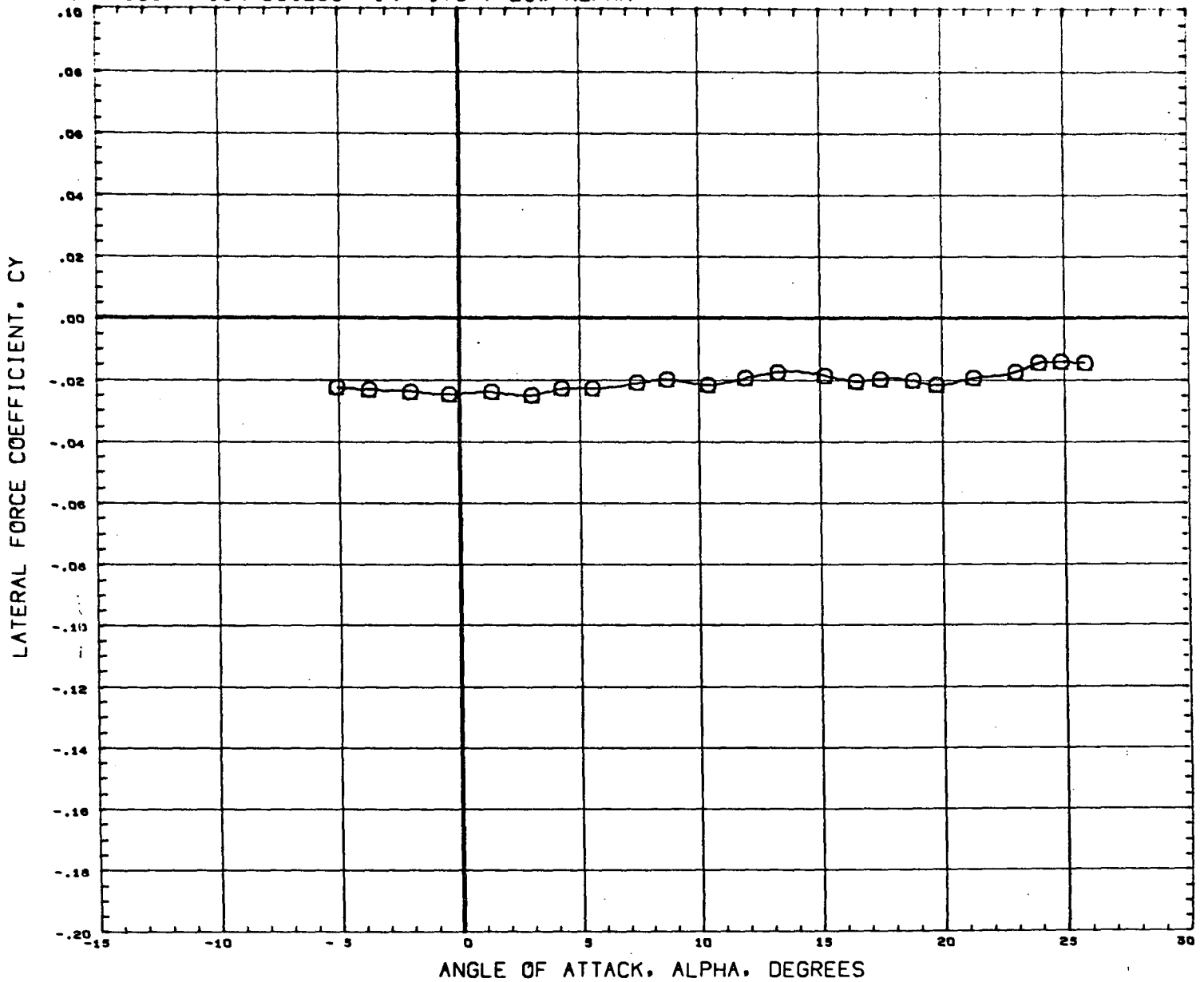


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF	9.7500 SQ. IN.
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		LREF	14.6830 INCHES
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	BREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		XMRP	0.6000 LB/OY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(RD8831)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8801)	DATA NOT AVAILABLE FOR ALL CONDITIONS

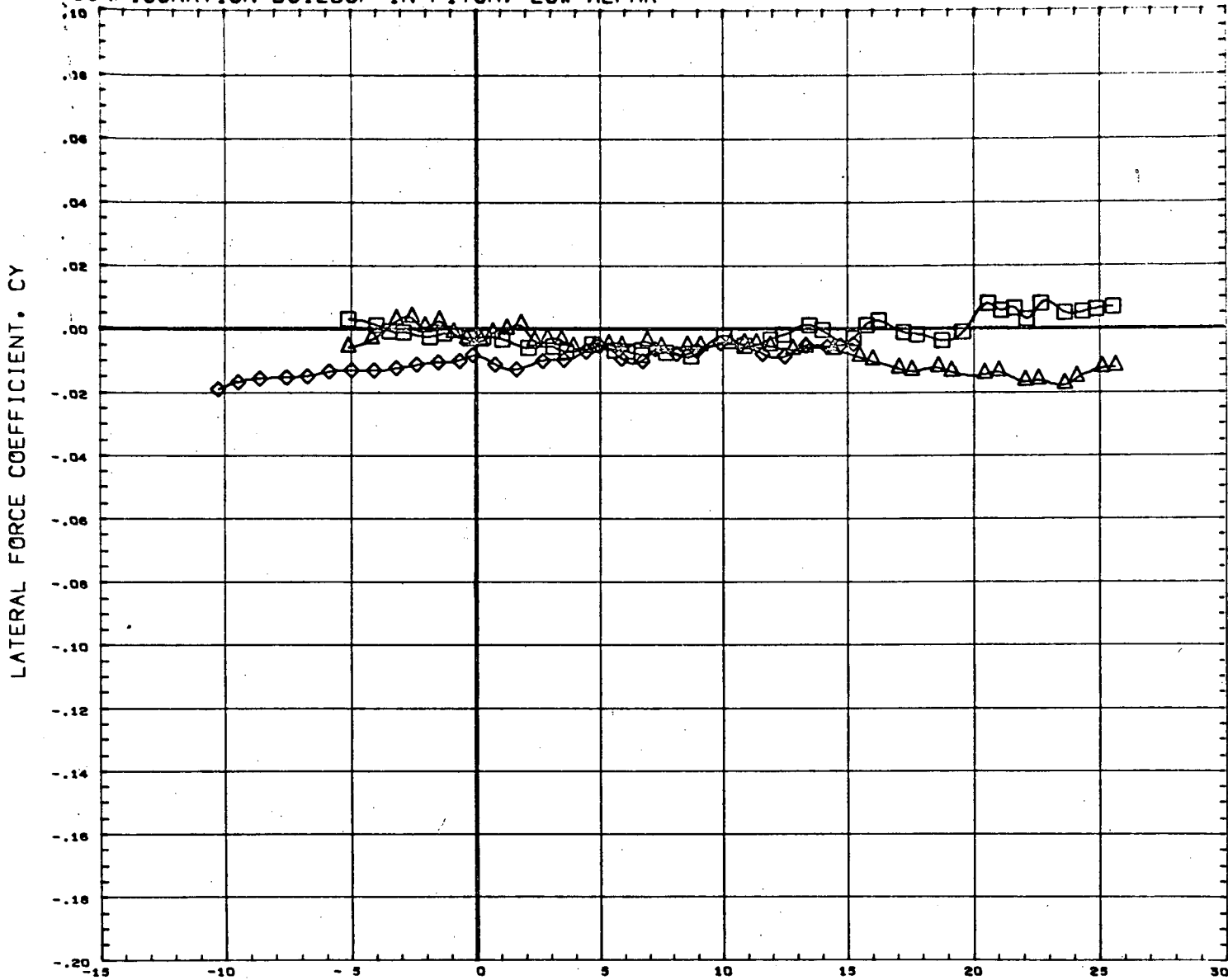
BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB 85S2V3.2
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB 85S2V3

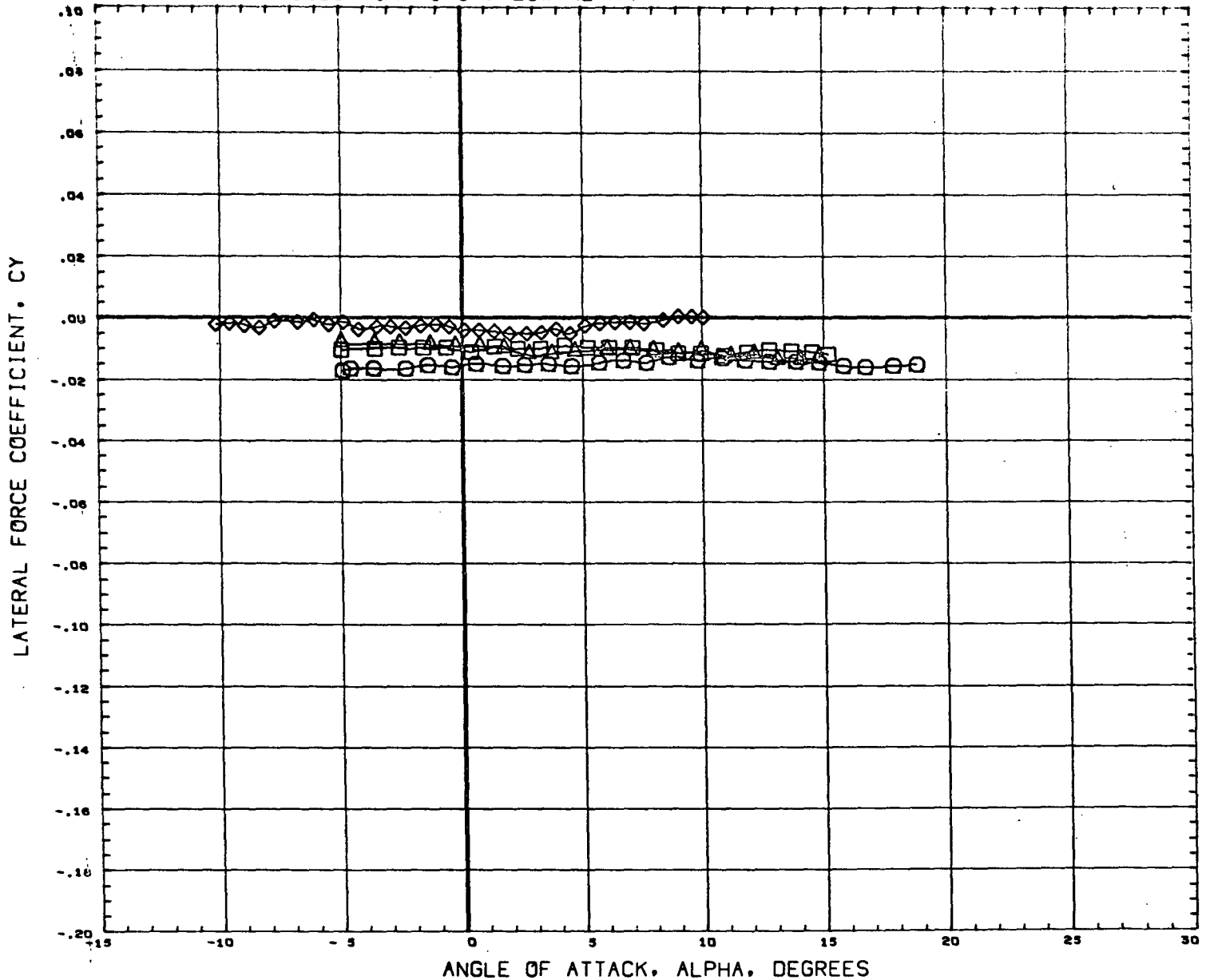
BETA	DELTAV
0.000	
0.000	
0.000	0.000
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# CONFIGURATION BUILDUP IN PITCH, LOW ALPHA



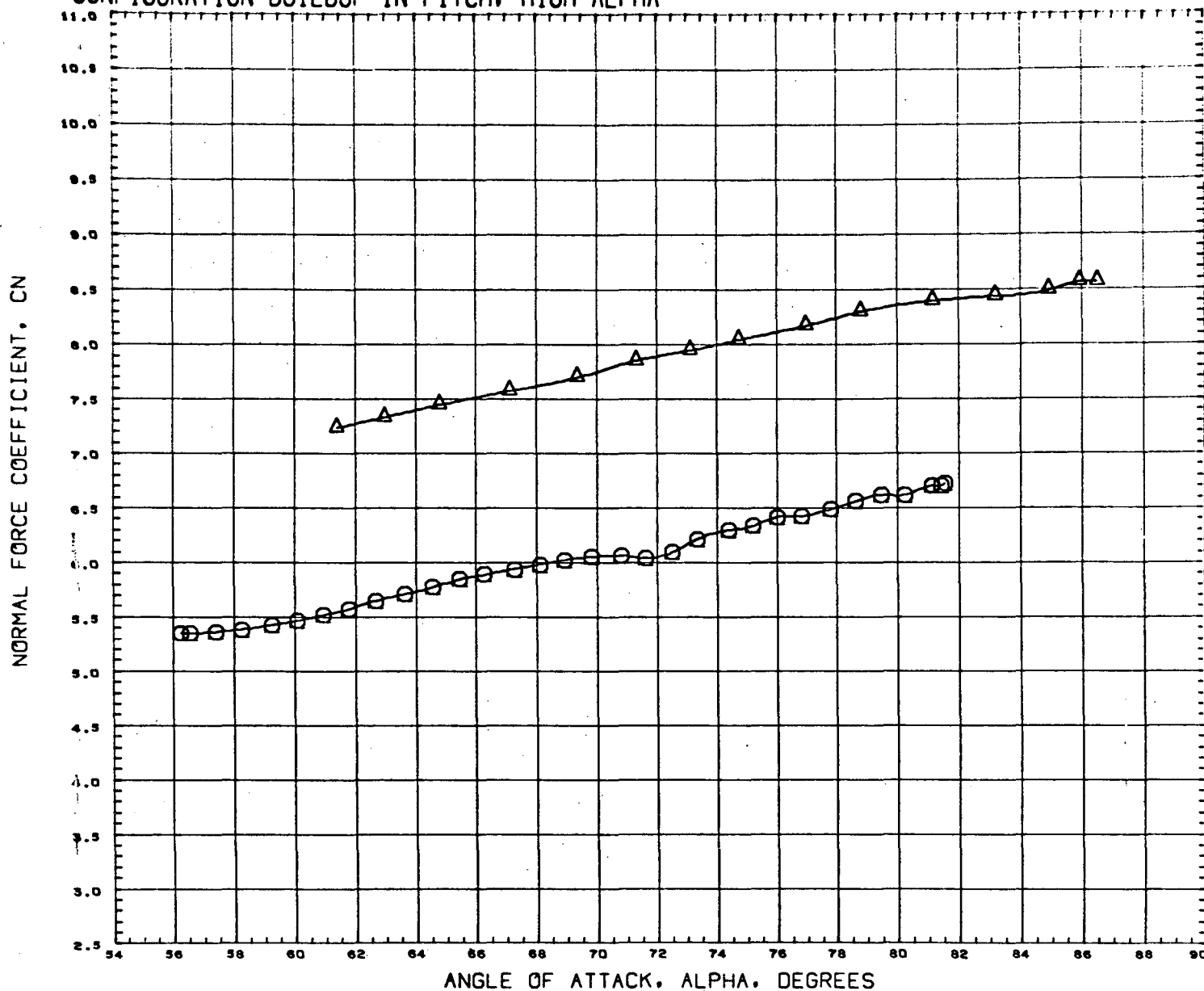
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF	9.7500 SQ. IN.
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		LREF	14.6830 INCHES
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	BREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



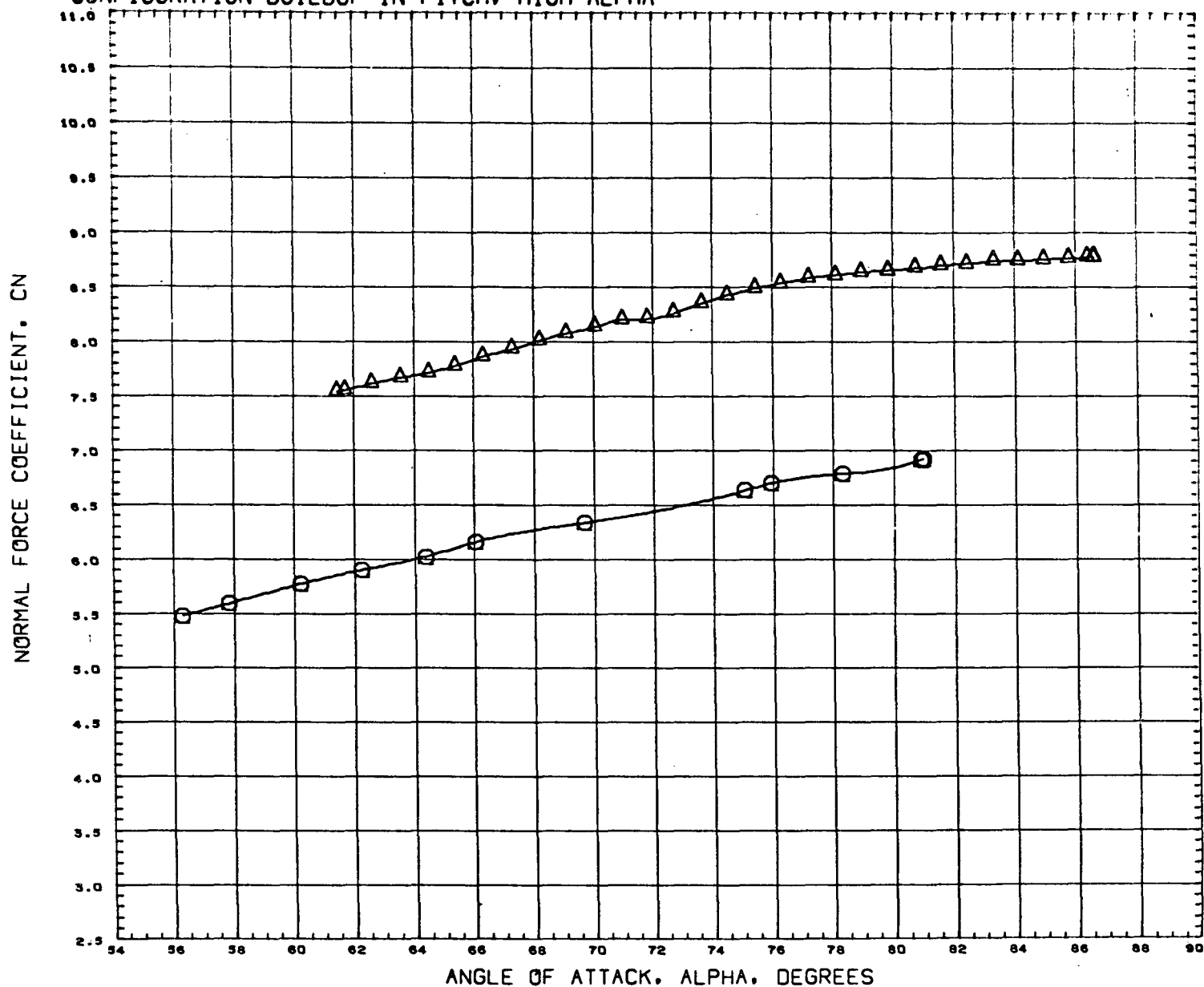
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(WD8002)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(BD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LB/FT
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



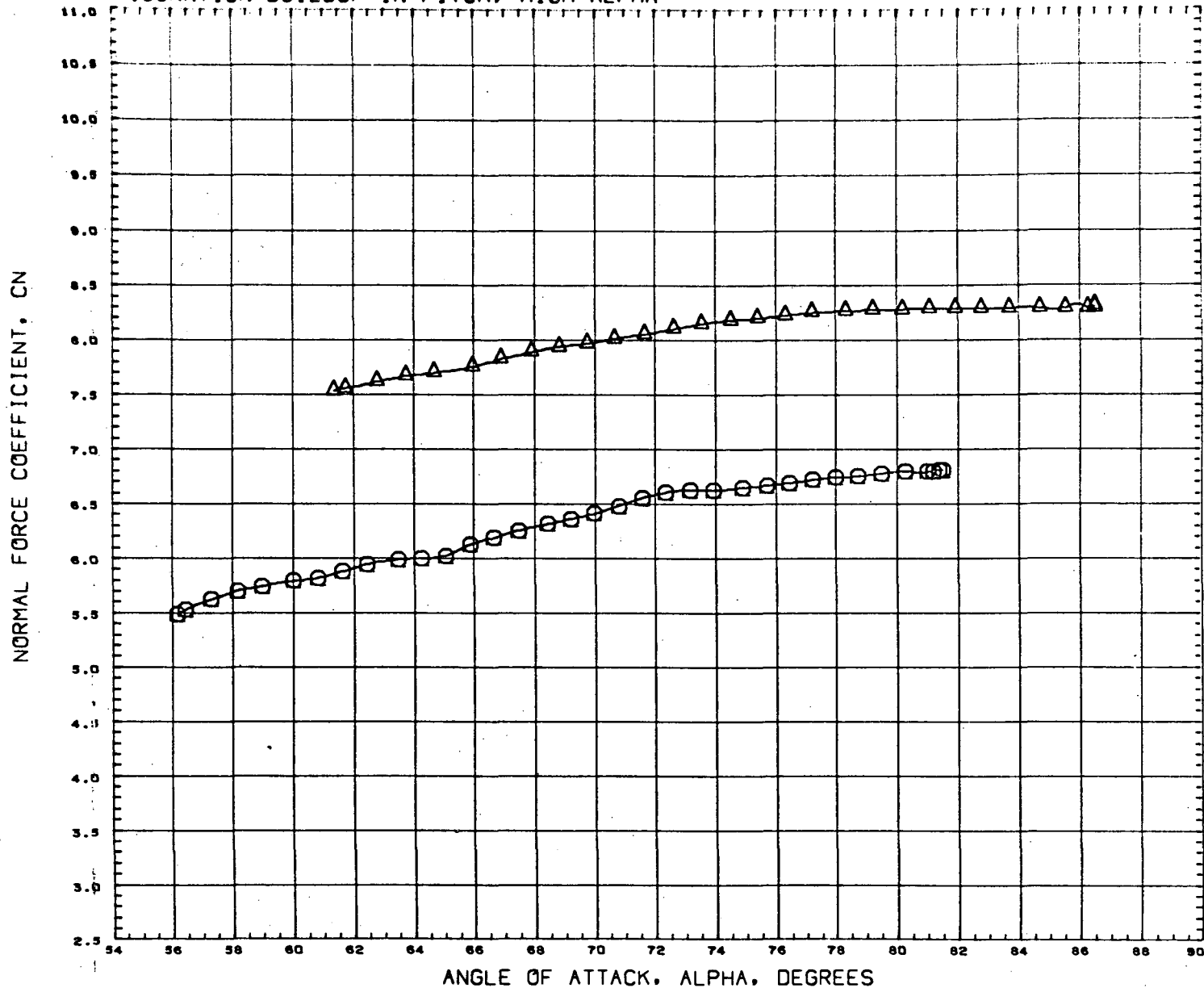
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA	DELTA V
(WD8002)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000	
(8D8502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8002) BTWT 1282/BSWT 557 PR-FED BRB B5S3  
(BD8502) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

BETA DELTAV

0.000 0.000  
0.000 0.000

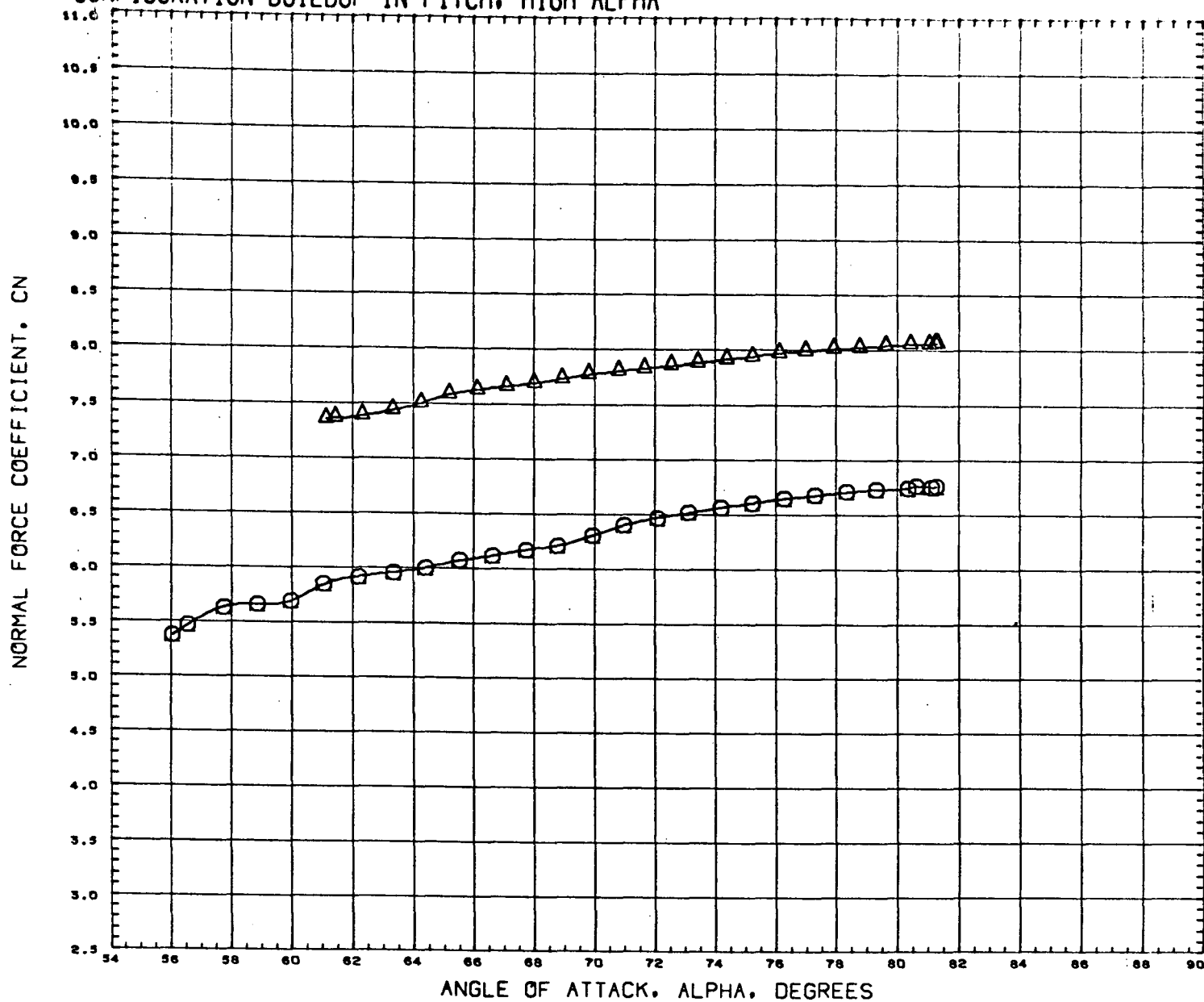
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

MACH 2.70

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08002) BTWT 1282/BSWT 557 PR-FED BRB 85S3  
(B08502) BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F

BETA DELTAV

0.000 0.000  
0.000 0.000

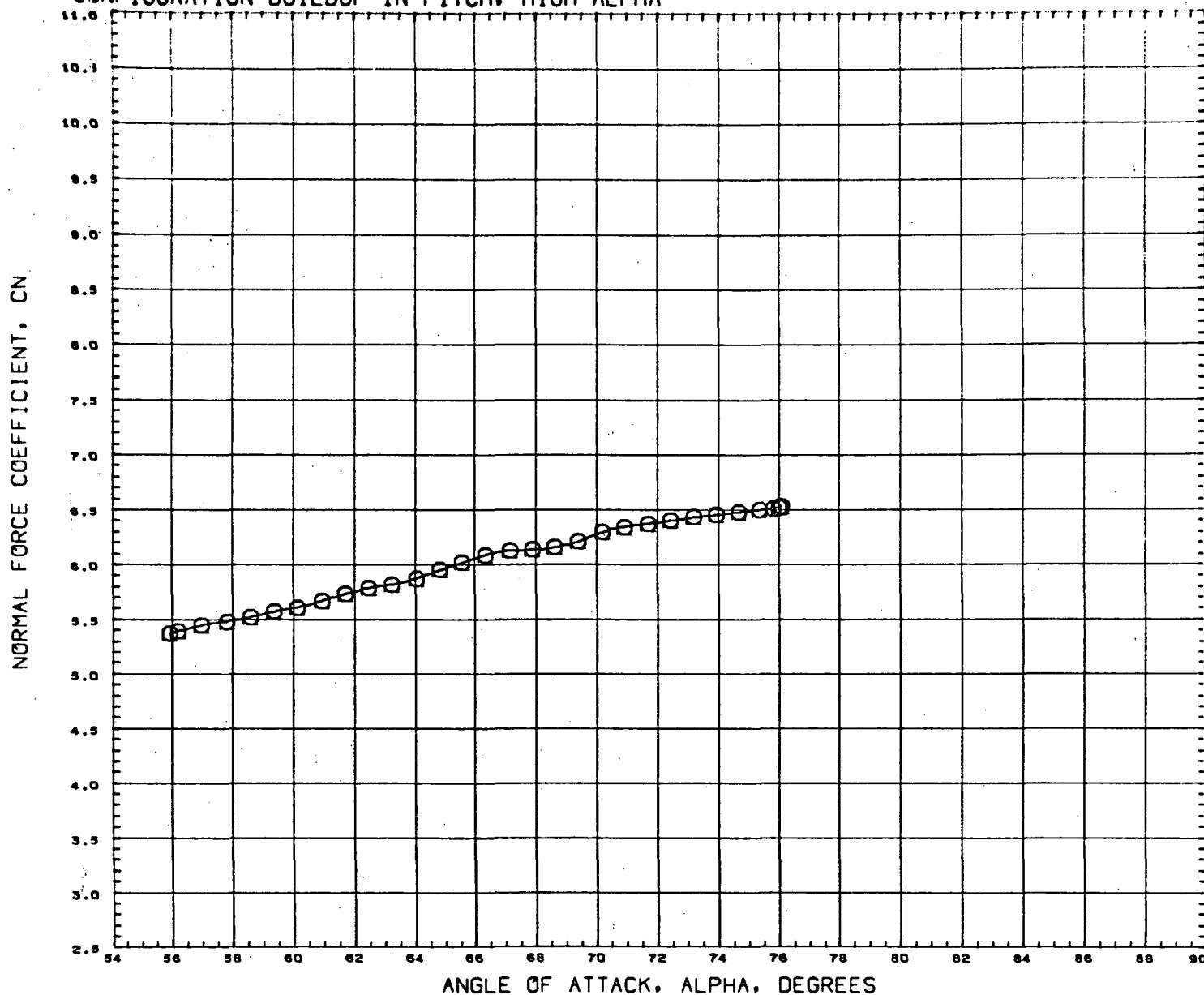
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

MACH 3.51

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (WD8002)    BTWT 1282/BSWT 337    PR-FED BRB    8553  
 (BD8502)    DATA NOT AVAILABLE FOR ALL CONDITIONS

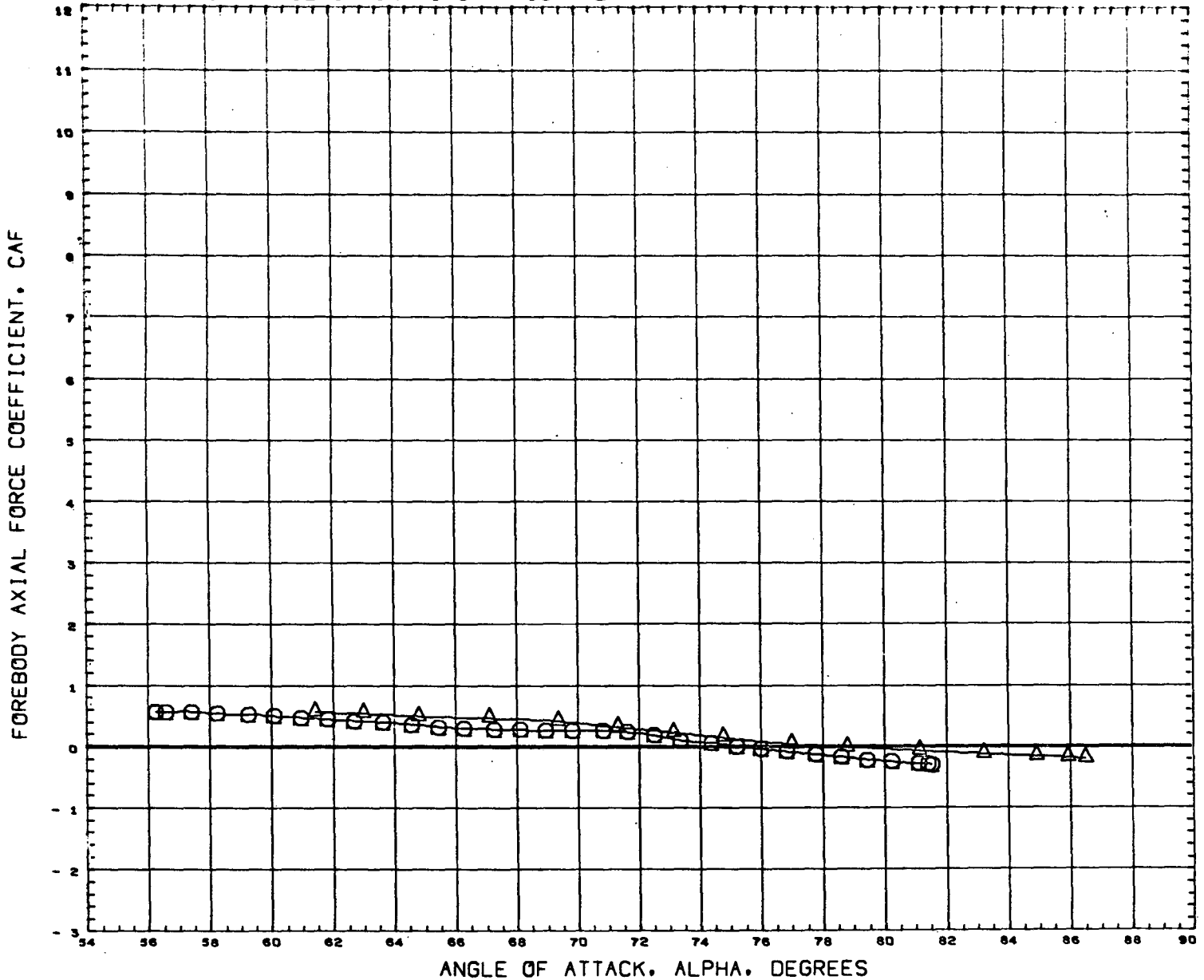
BETA    DELTAV  
 0.000    0.000  
 0.000    0.000

REFERENCE INFORMATION  
 SREF    9.7500    SQ. IN.  
 LREF    14.6830    INCHES  
 BREF    14.6830    INCHES  
 XMRP    0.6000    LB/OY  
 YMRP    0.0000    INCHES  
 ZMRP    0.0000    INCHES  
 SCALE    0.8899    PERCENT

MACH    3.98

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(W08002)	BTWT 1282/BSWT 557	PR-FED BRB	8553	0.000	0.000	
(B08502)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F	0.000	0.000	

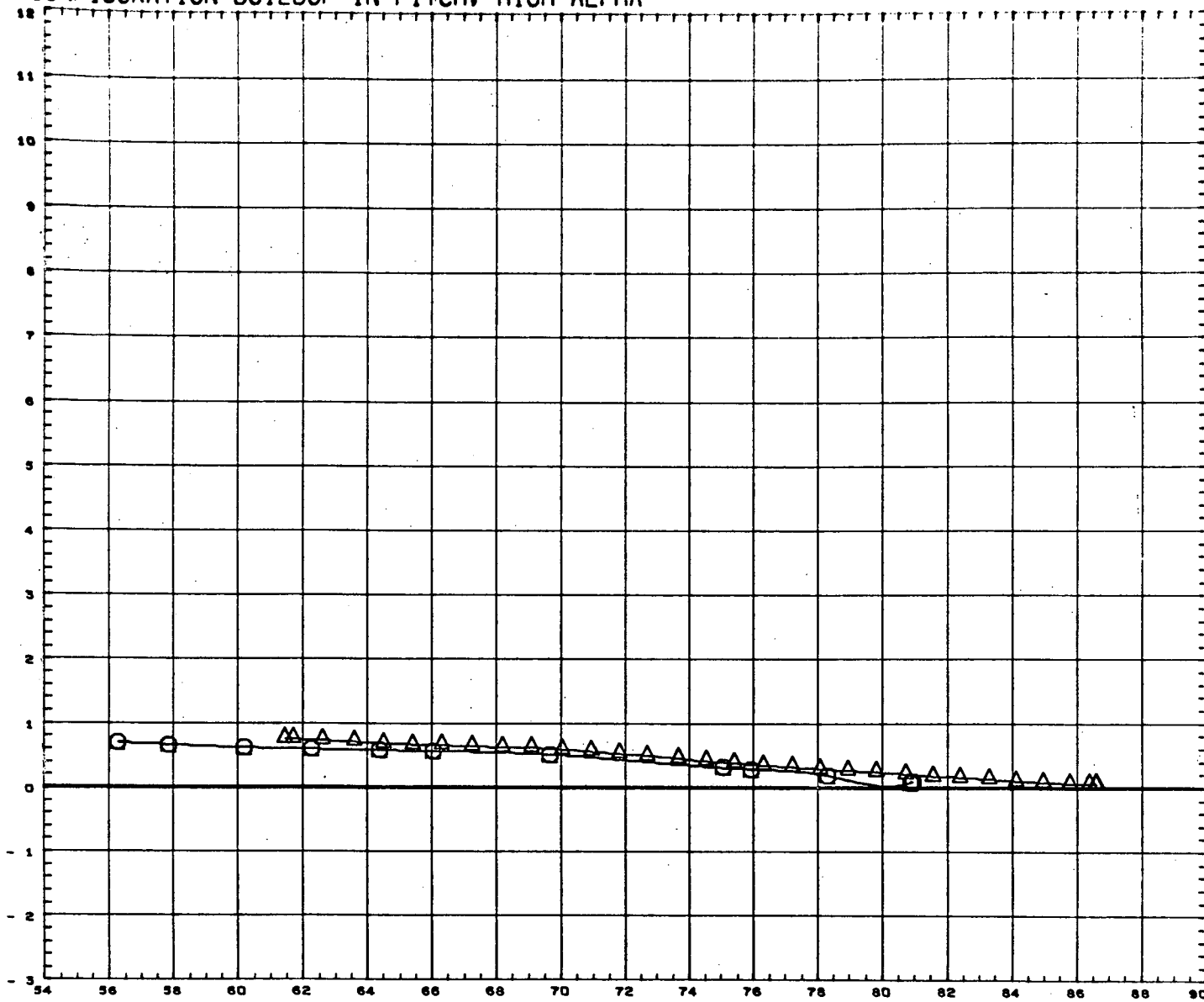
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8002)	Q	BTWT 1282/BSWT 557	PR-FED BRB	8553
(BD8502)	A	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F

BETA DELTAV

0.000	0.000
0.000	0.000

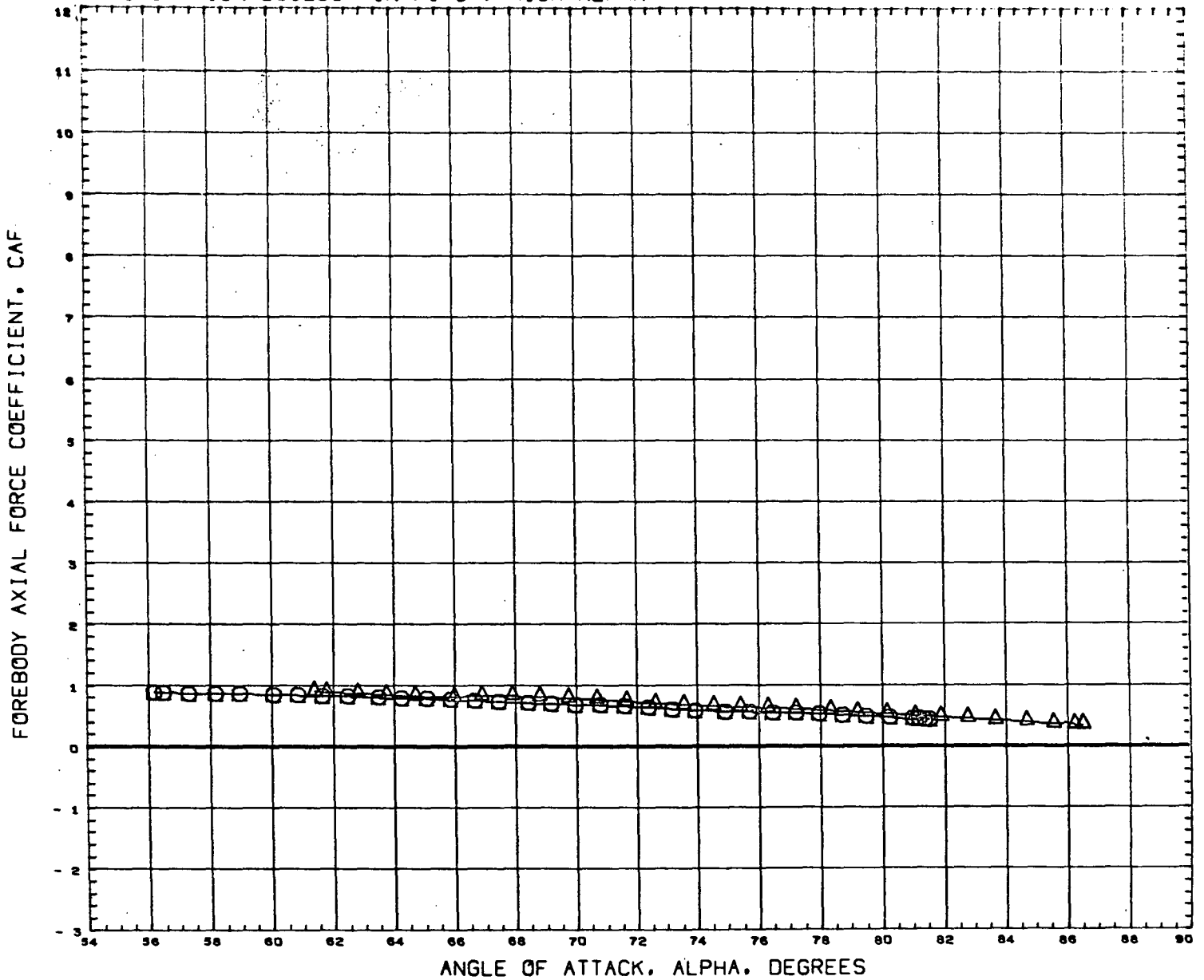
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(WD8002)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000		
(BD8502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000	

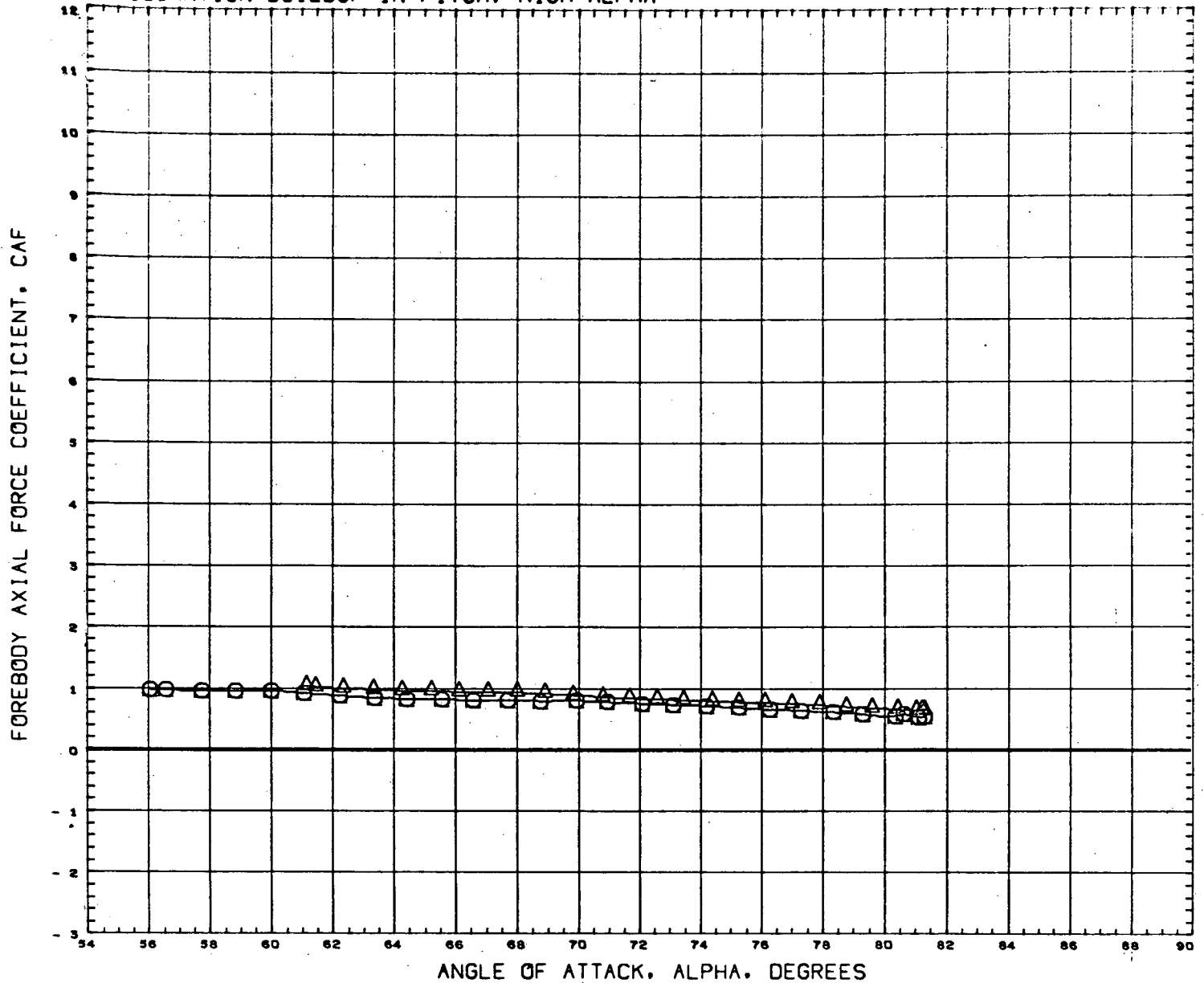
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8002) 8TWT 1282/BSWT 557 PR-FED 8RB 85S3  
(BD8502) 8TWT 1282/BSWT 557 PR-FED 8RB 85S3V6F

BETA DELTAV

0.000 0.000  
0.000 0.000

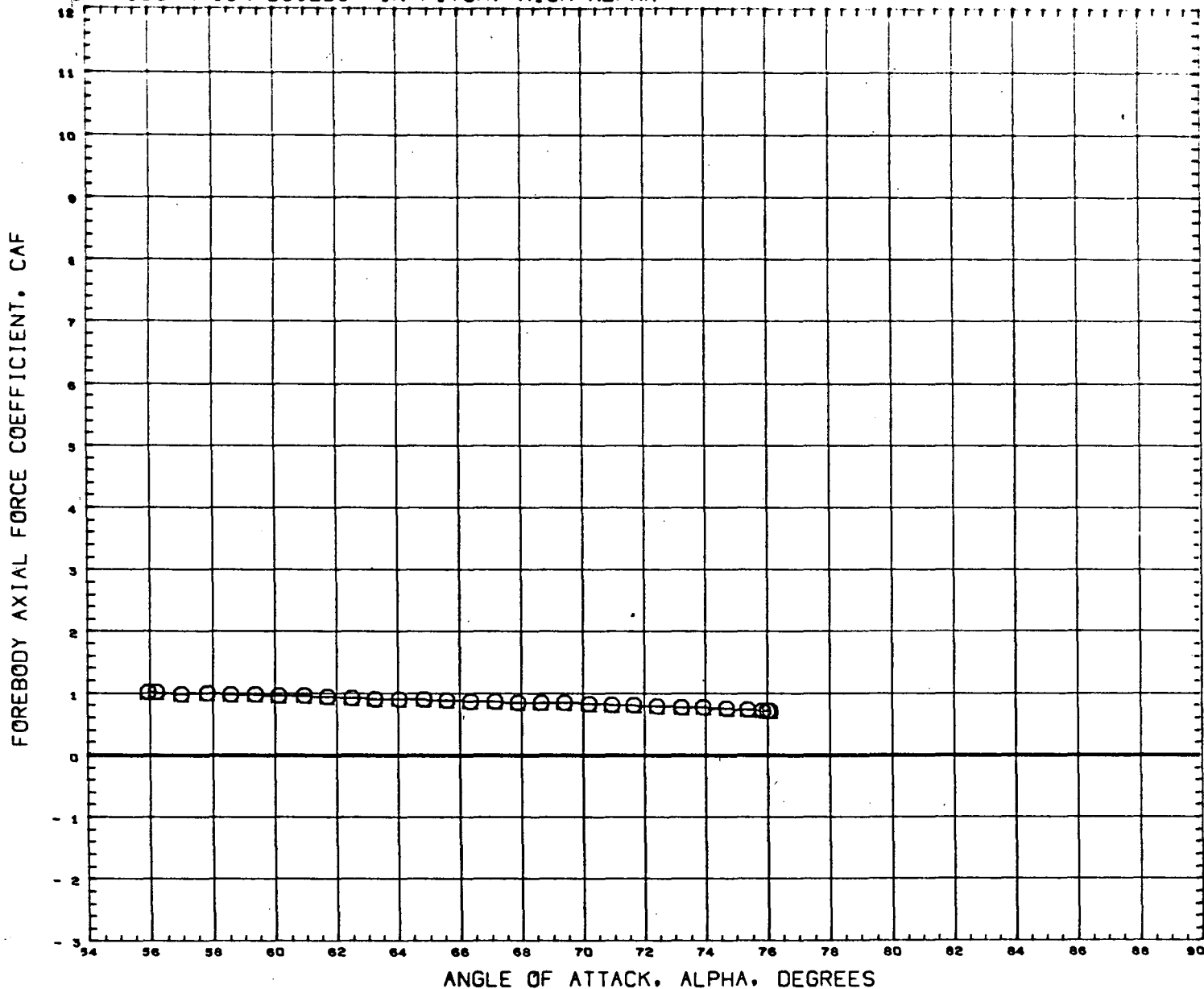
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.6899 PERCENT

MACH 3.51

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (WD8002) BTWT 1282/BSWT 537 PR-FED BRB 8533  
 (808502) DATA NOT AVAILABLE FOR ALL CONDITIONS

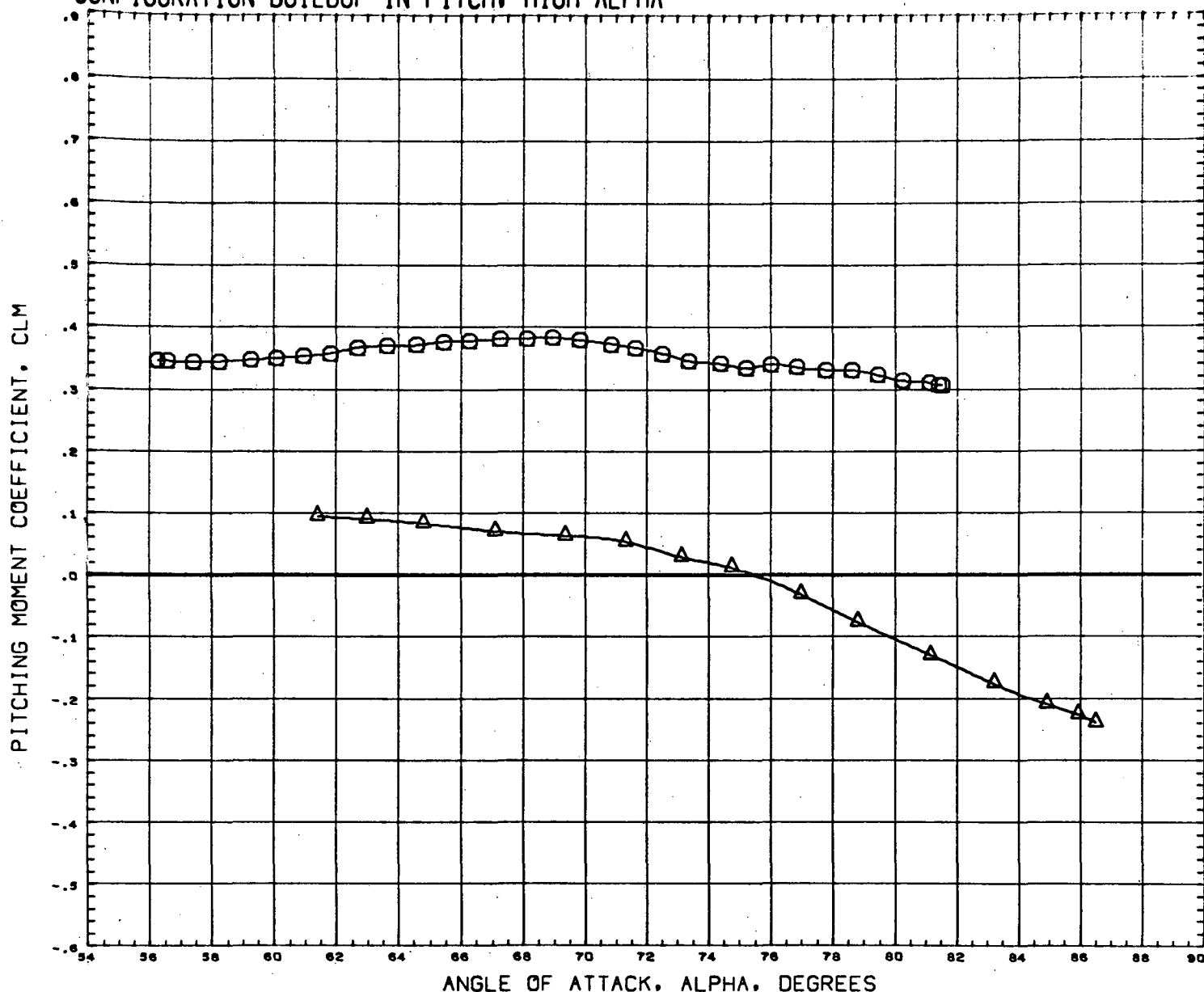
BETA DELTAV  
 0.000 0.000  
 0.000 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



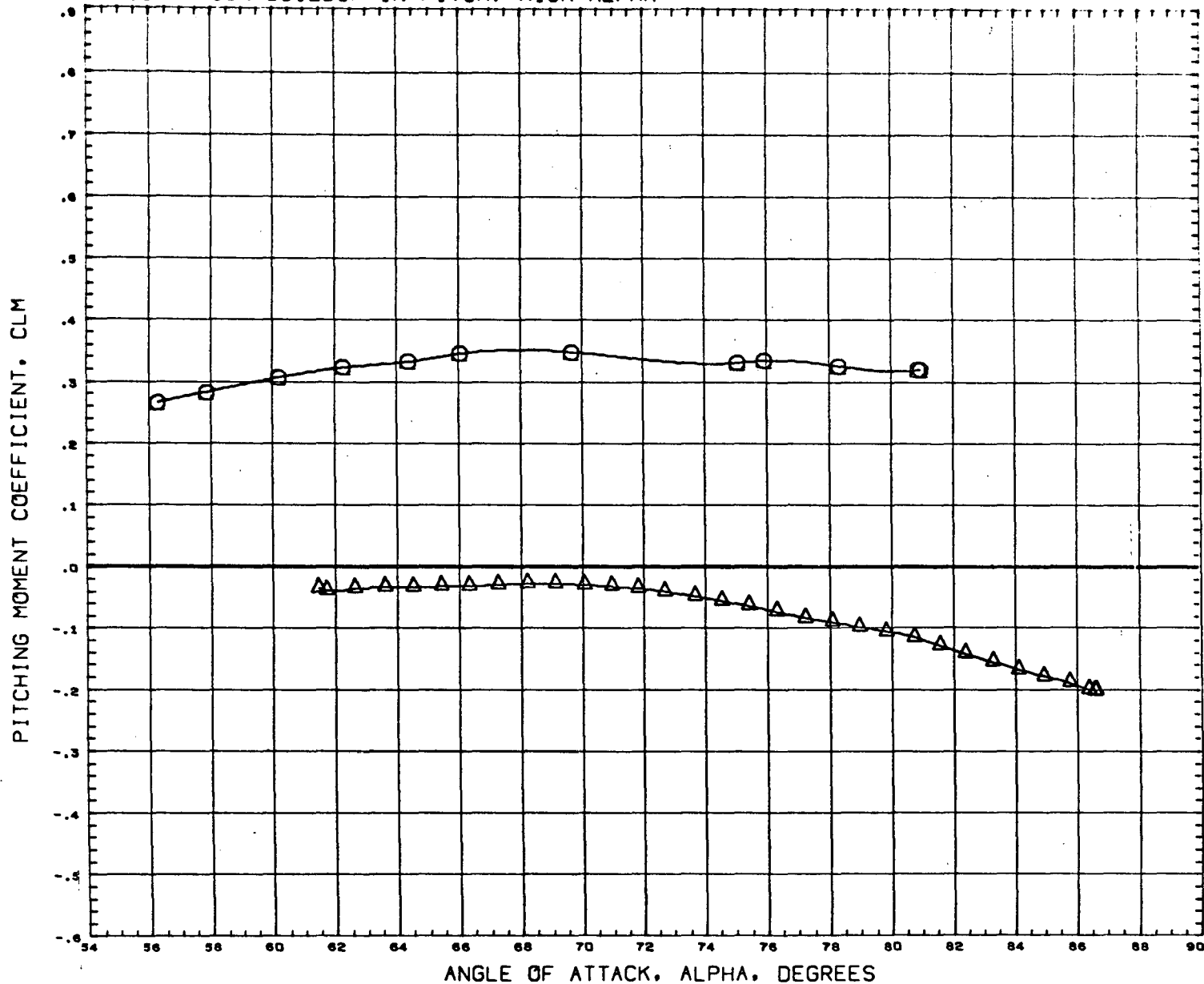
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(WD8002)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000	
(BD8302)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	30. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION			
(W08002)	BTWT 1282/BSWT 557	PR-FED BRB	B553	
(B08502)	BTWT 1282/BSWT 557	PR-FED BRB	B553V6F	

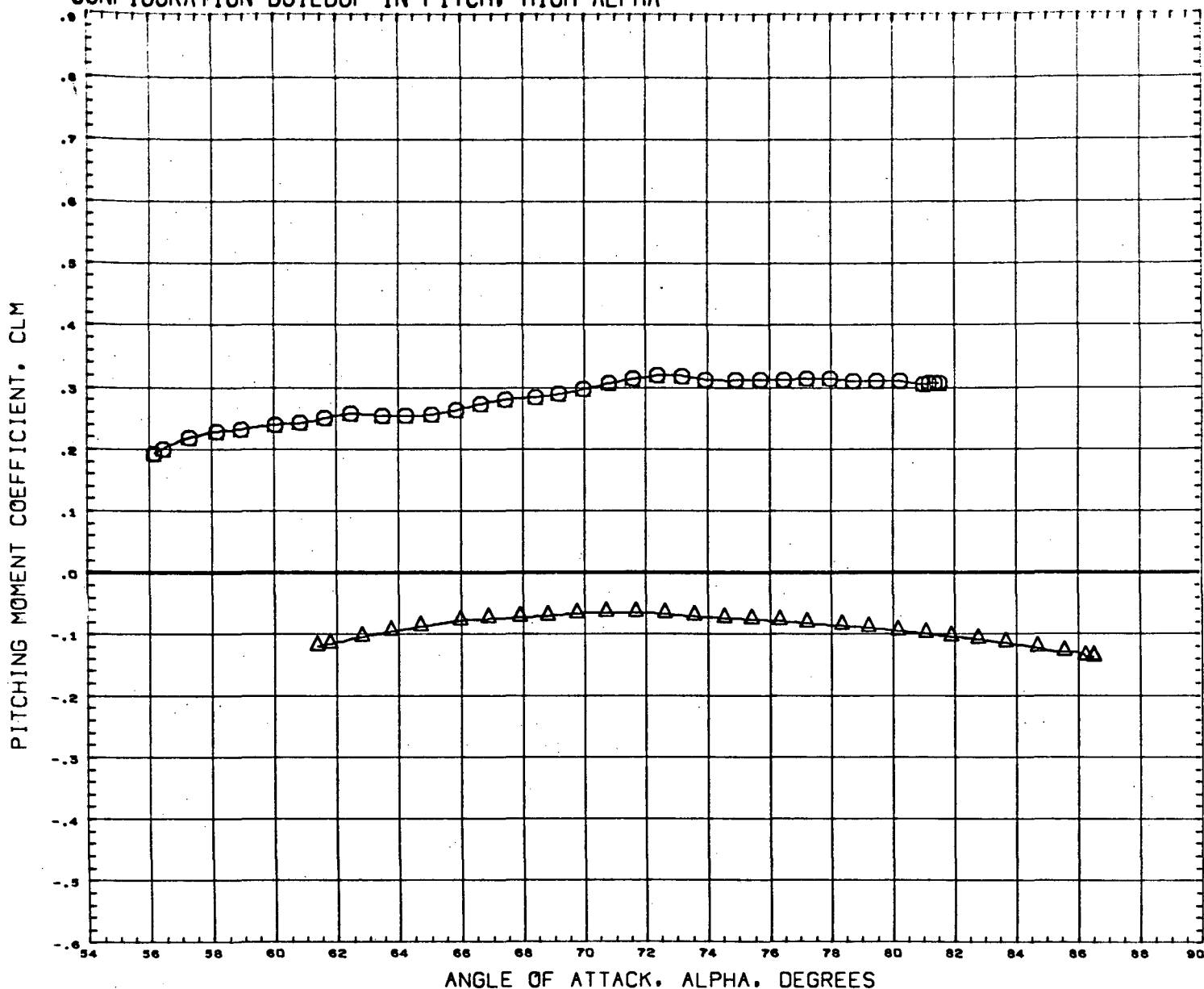
BETA	DELTAV
0.000	
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION			
(WD8002)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	
(BD8502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	

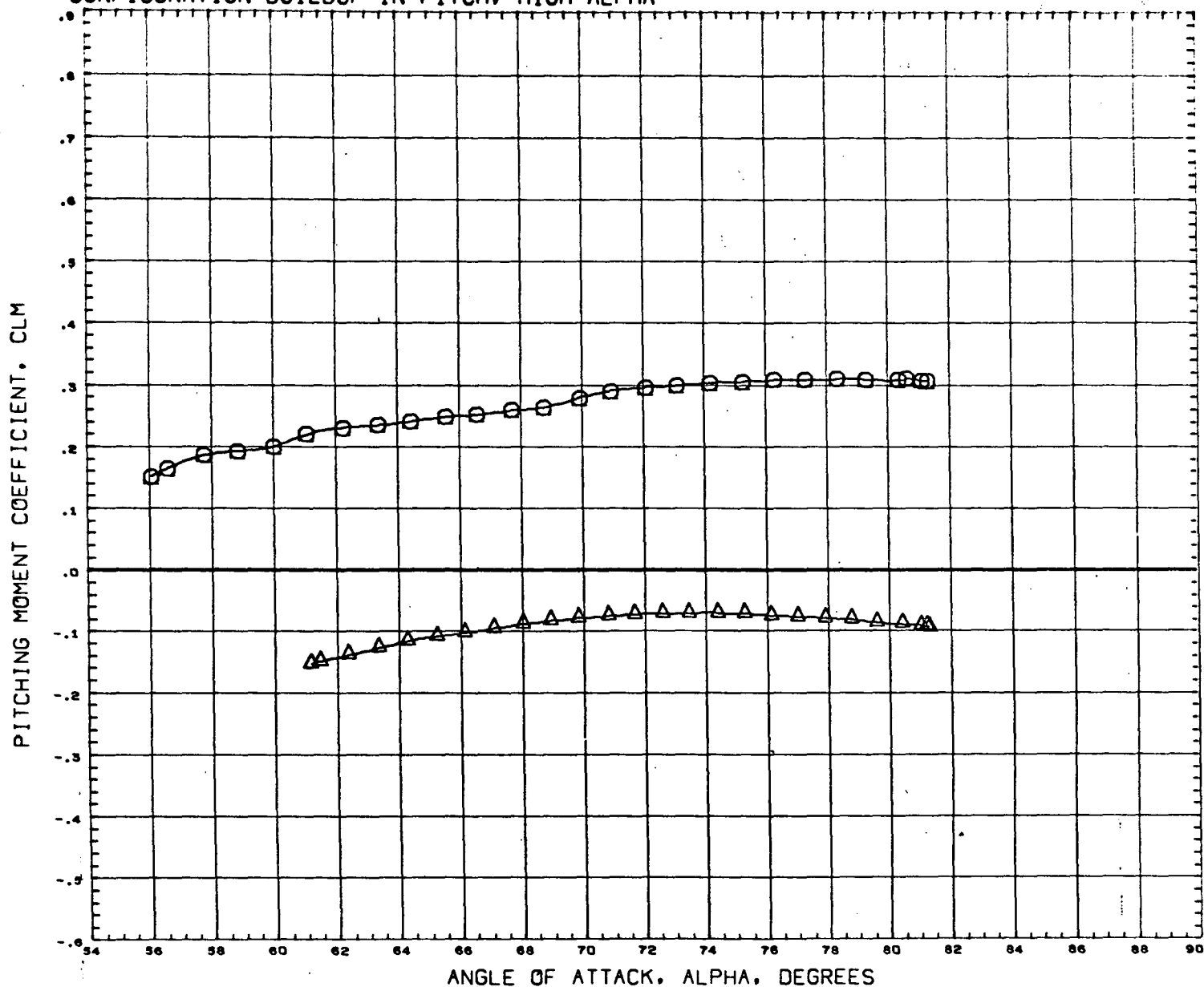
BETA	DELTAV
0.000	
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



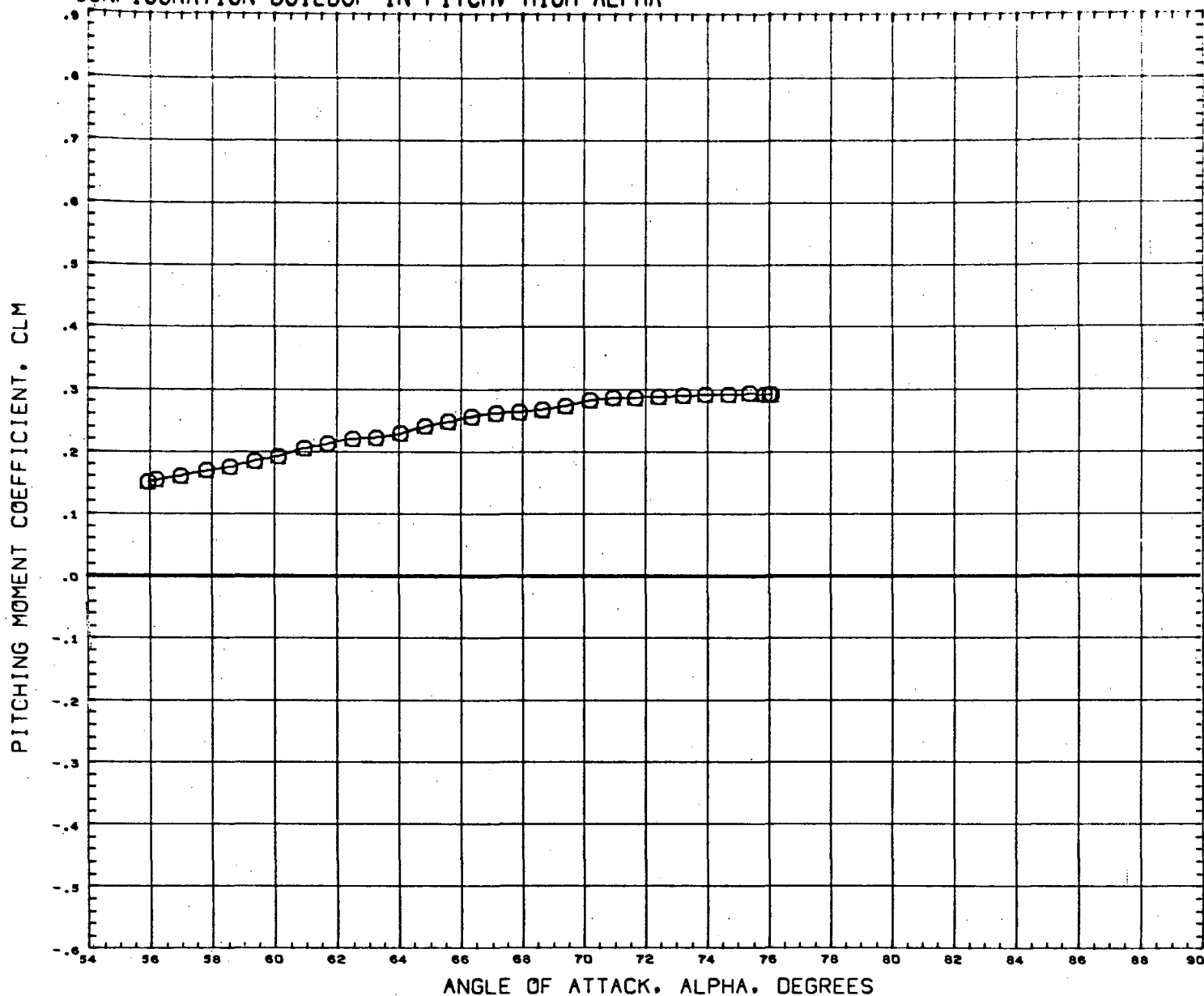
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(WD8002)	BTWT 1282/BSWT 557	PR-FED BR8	85S3	0.000		
(808502)	BTWT 1282/BSWT 557	PR-FED BR8	85S3V6F	0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 3.51

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (WD8002)    BTWT 1282/BSWT 557    PR-FED BRB    B5S3  
 (BD8502)    DATA NOT AVAILABLE FOR ALL CONDITIONS

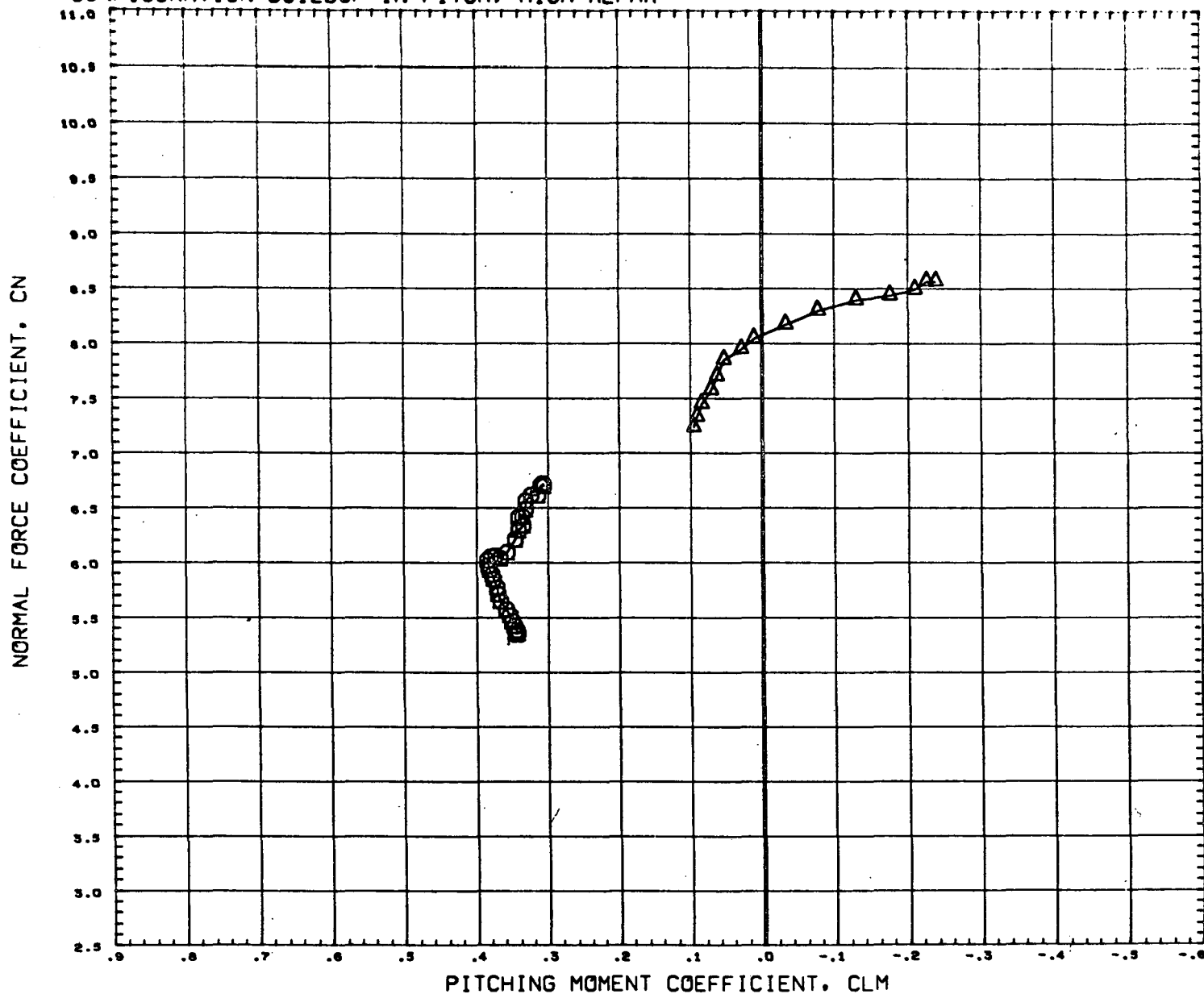
BETA    DELTAV  
 0.000  
 0.000    0.000

REFERENCE INFORMATION  
 SREF    9.7500    SQ. IN.  
 LREF    14.6830    INCHES  
 BREF    14.6830    INCHES  
 XMRF    0.6000    LB/OY  
 YMRF    0.0000    INCHES  
 ZMRF    0.0000    INCHES  
 SCALE    0.8899    PERCENT

MACH    3.98

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08002)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	0.000
(B08902)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000

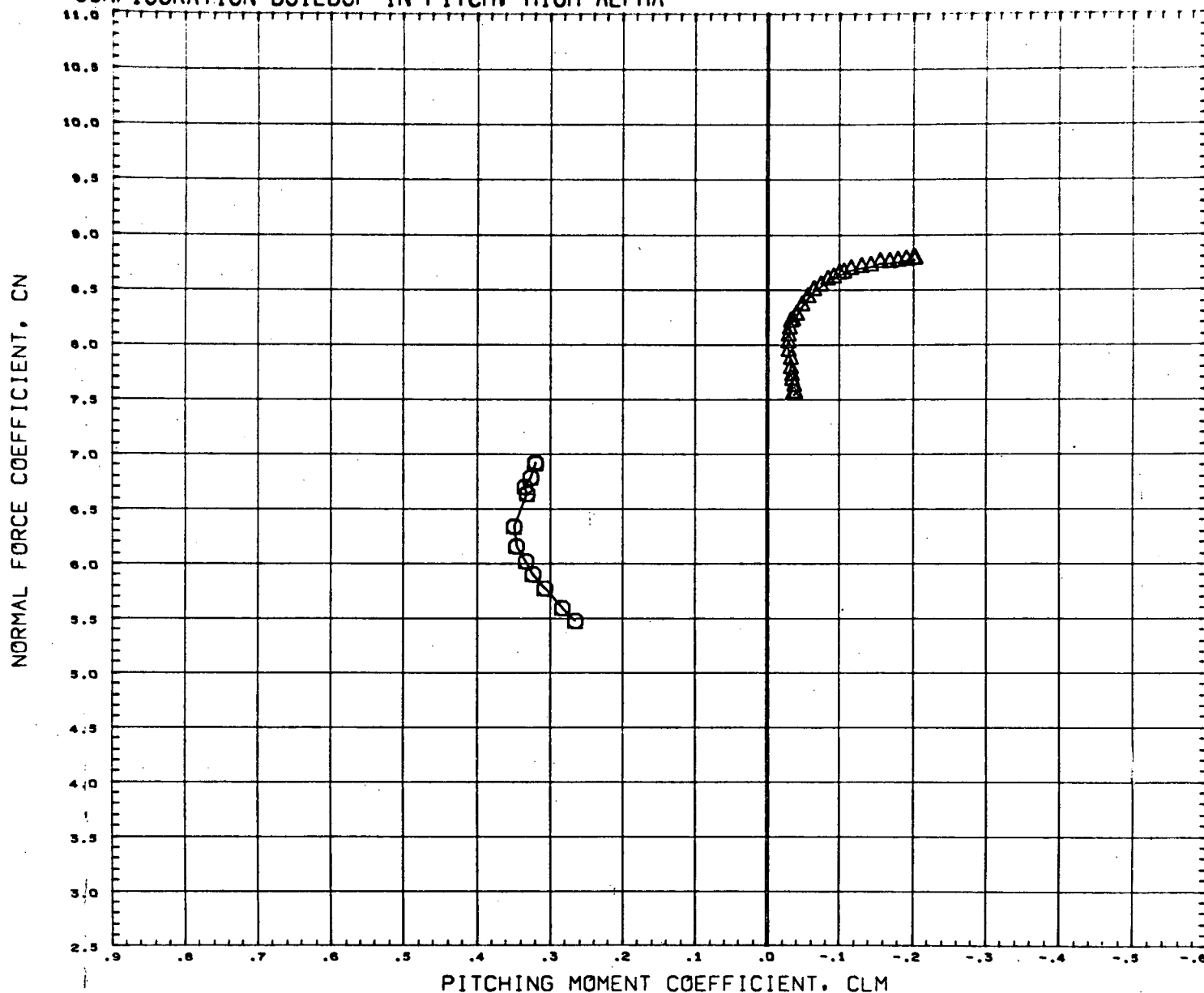
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60


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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8002)  BTWT 1282/BSWT 557 PR-FED BRB B5S3

(BD8502)  BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

BETA DELTAV

0.000 0.000

REFERENCE INFORMATION

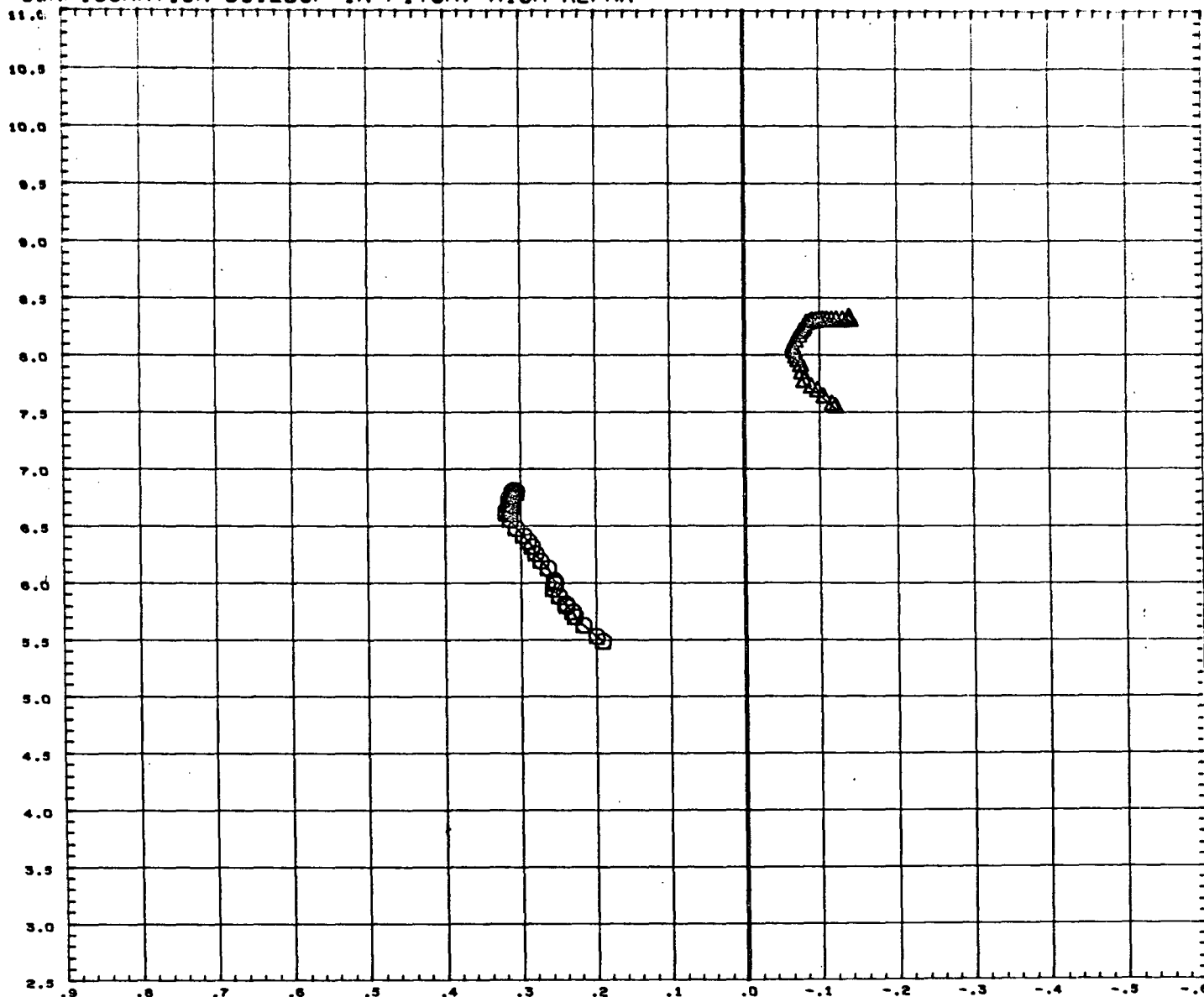
SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

MACH 2.00

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

NORMAL FORCE COEFFICIENT, CN



DATA SET SYMBOL

CONFIGURATION DESCRIPTION

BETA

DELTA V

REFERENCE INFORMATION

(WD8002)  
(BD8502)



BTWT 1282/BSWT 557  
BTWT 1282/BSWT 557

PR-FED BRB  
PR-FED BRB

B553  
B553V6F

0.000  
0.000

0.000  
0.000

SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

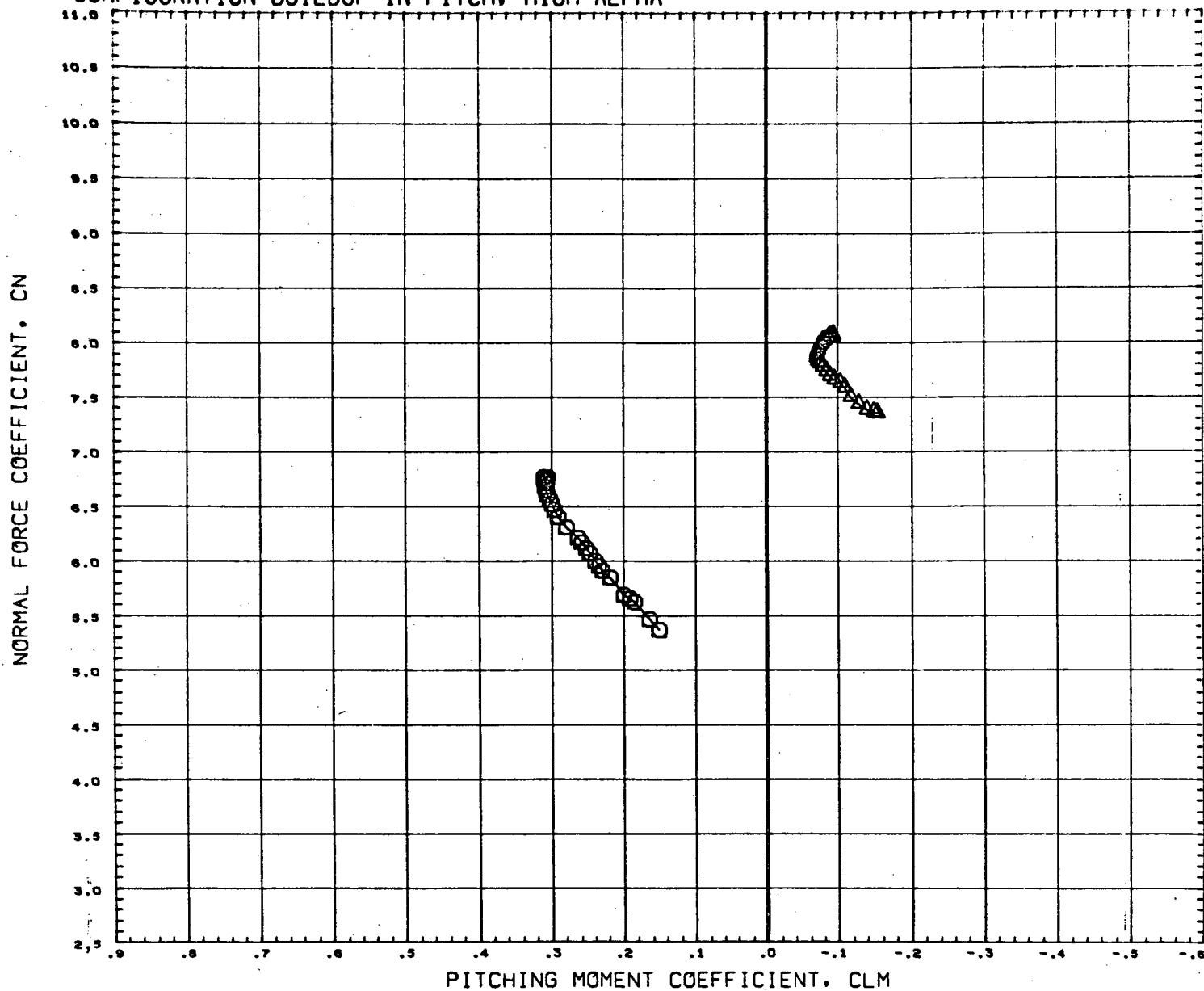
MACH

2.70

PAGE

78

# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08002)	Q	BTWT 1282/BSWT 557	PR-FED BRB	B5S3
(B08502)	Δ	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F

BETA DELTAV

0.000	
0.000	0.000

REFERENCE INFORMATION

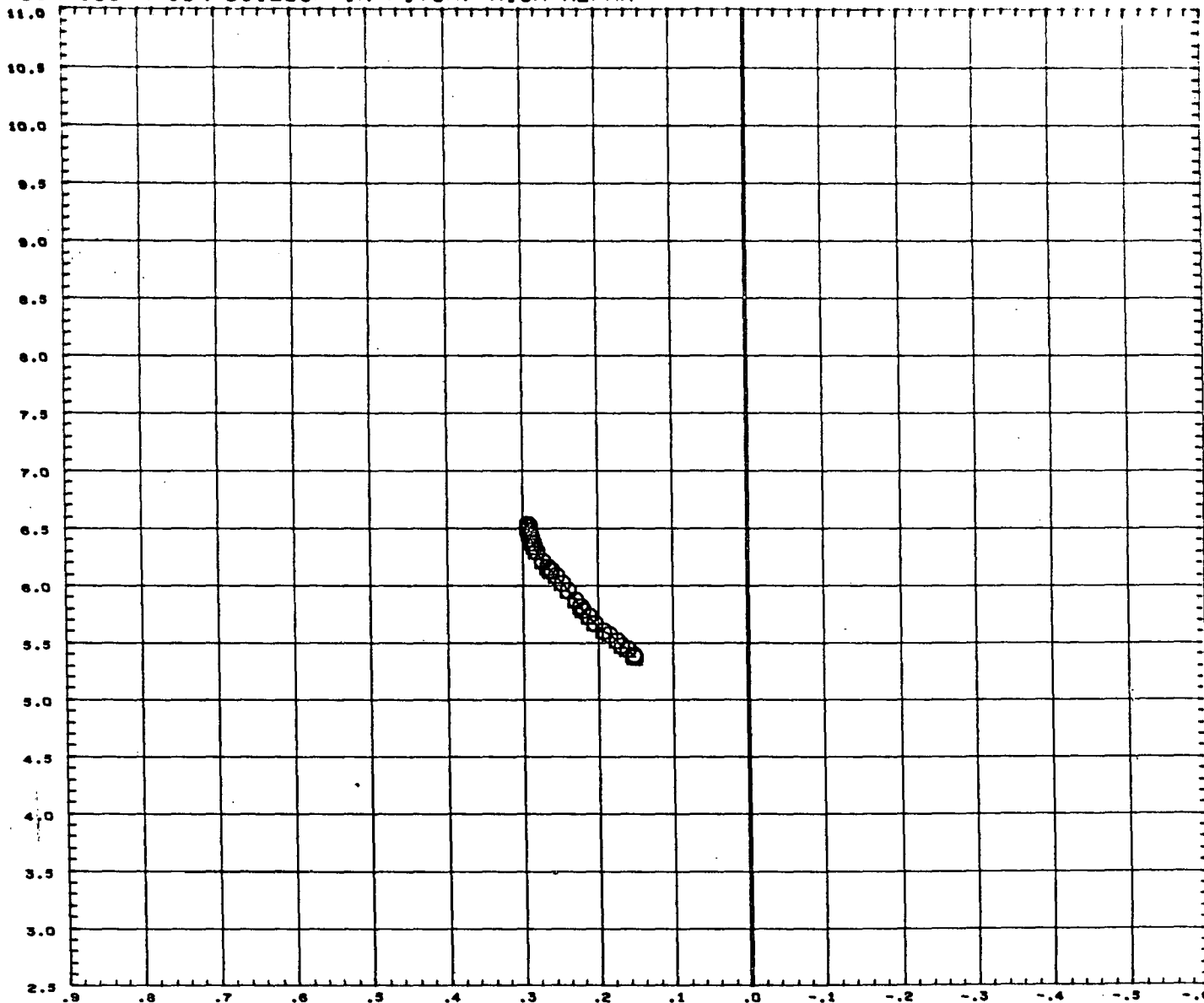
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

NORMAL FORCE COEFFICIENT, CN



PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (WD8002) BTWT 1282/BSWT 557 PR-FED BRB B553  
 (BD8502) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA DELTAV  
 0.000 0.000  
 0.000 0.000

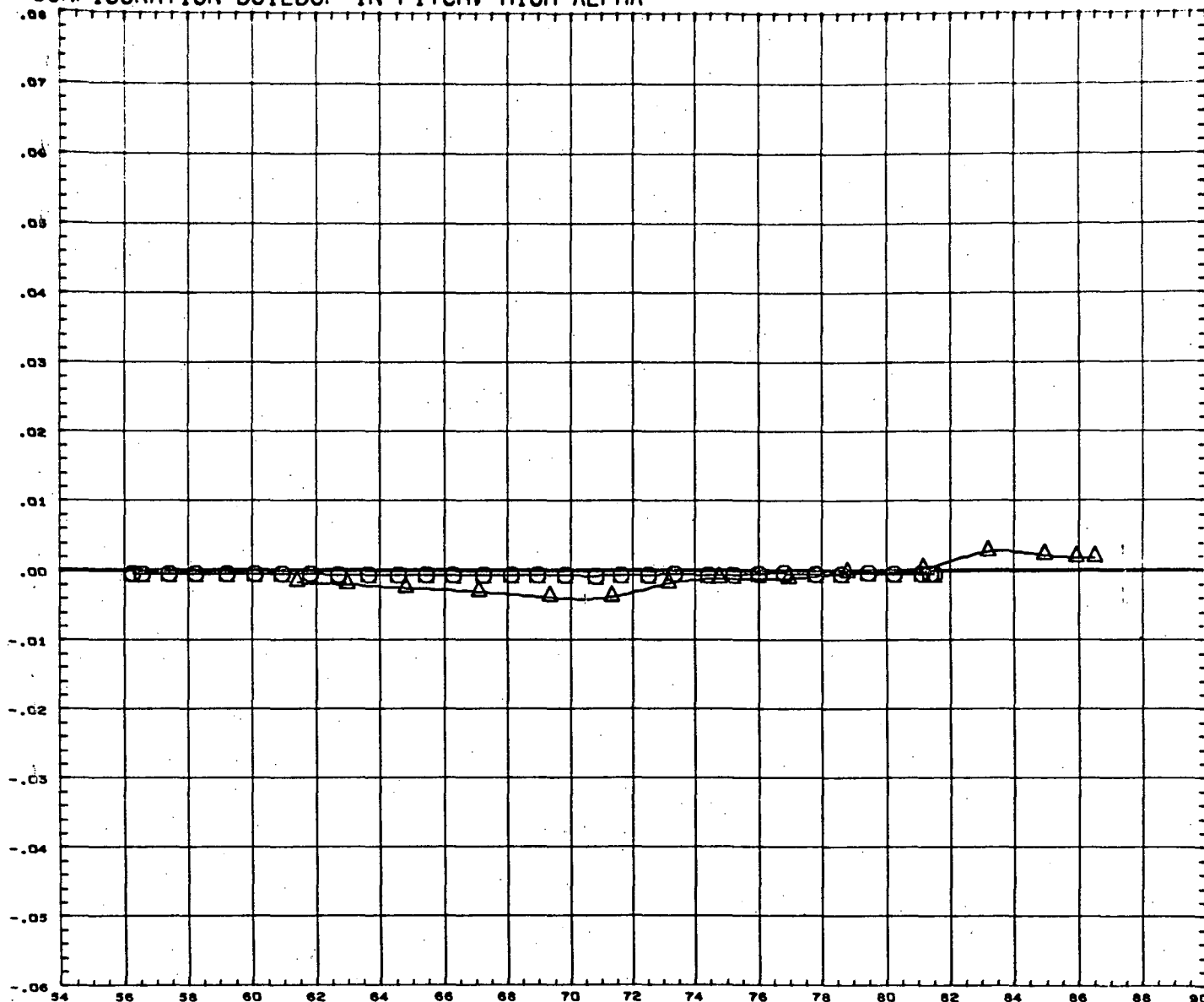
REFERENCE INFORMATION  
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 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LB00Y  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(WD8002)	BTWT 1282/8SWT 557 PR-FED BRB 85S3	0.000	
(808502)	BTWT 1282/8SWT 557 PR-FED BRB 85S3V6F	0.000	0.000

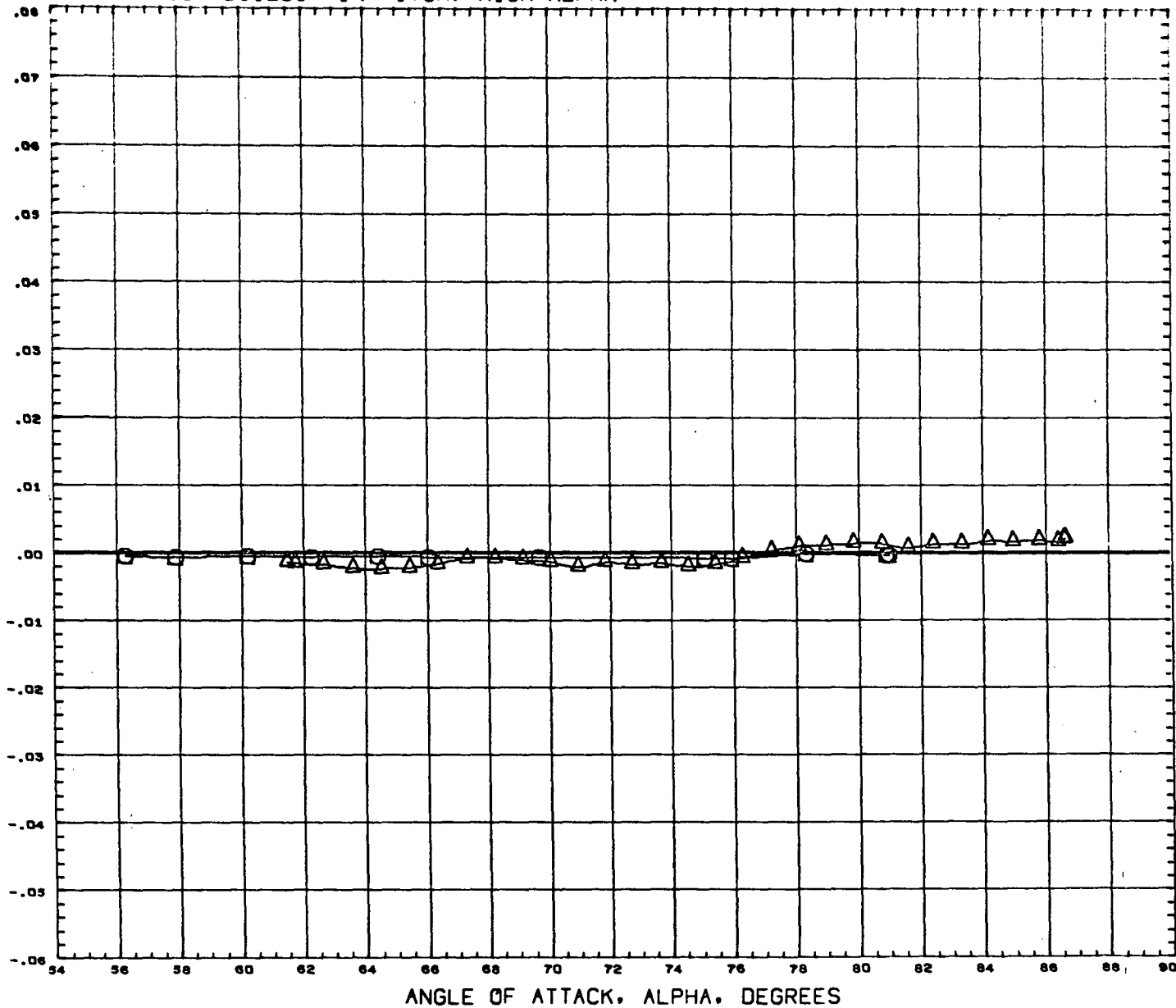
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(WD8002)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000		
(BD8502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000	

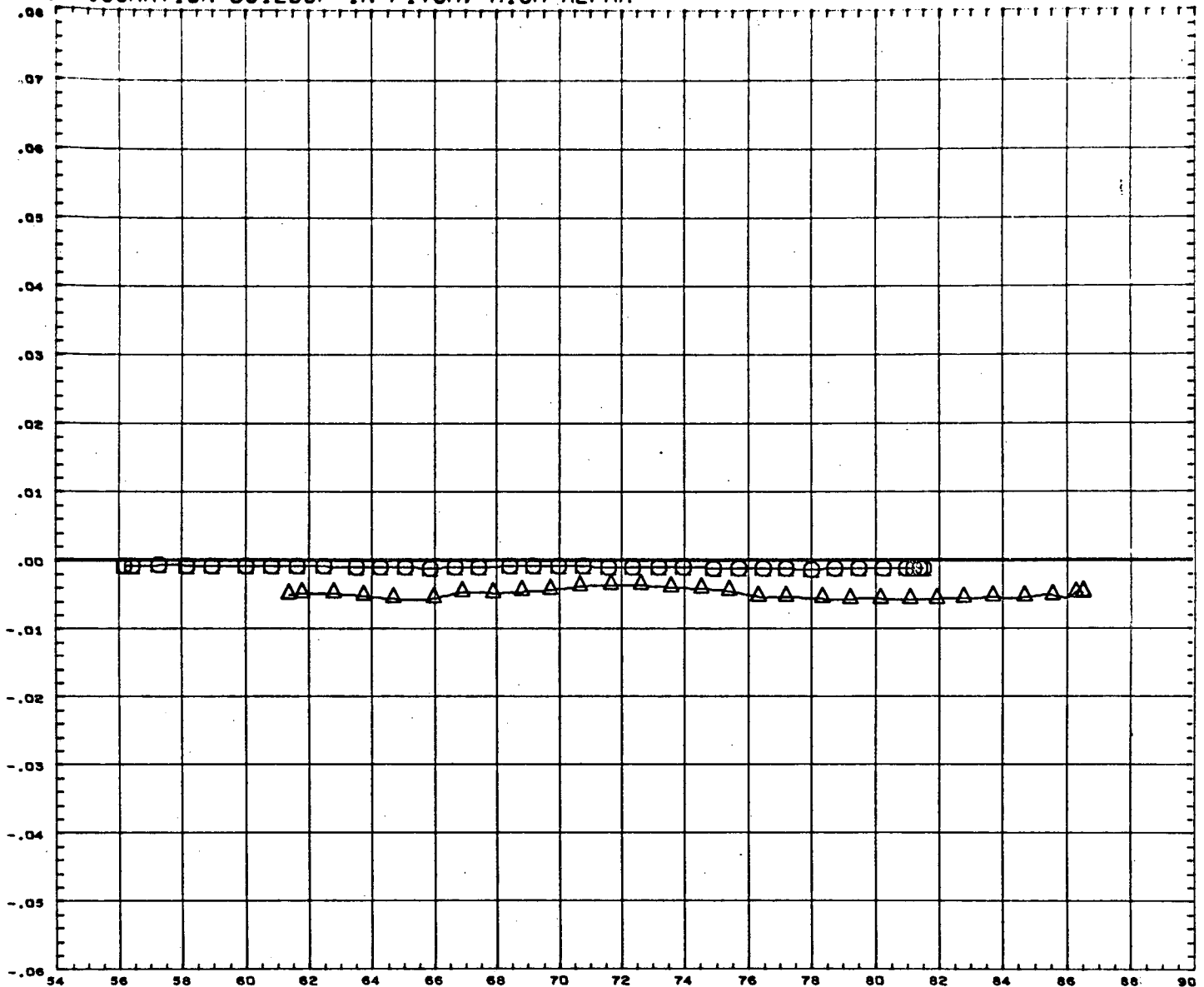
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL  
(W08002) (B08502)

CONFIGURATION DESCRIPTION  
BTWT 1282/BSWT 557 PR-FED BRB B5S3  
BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

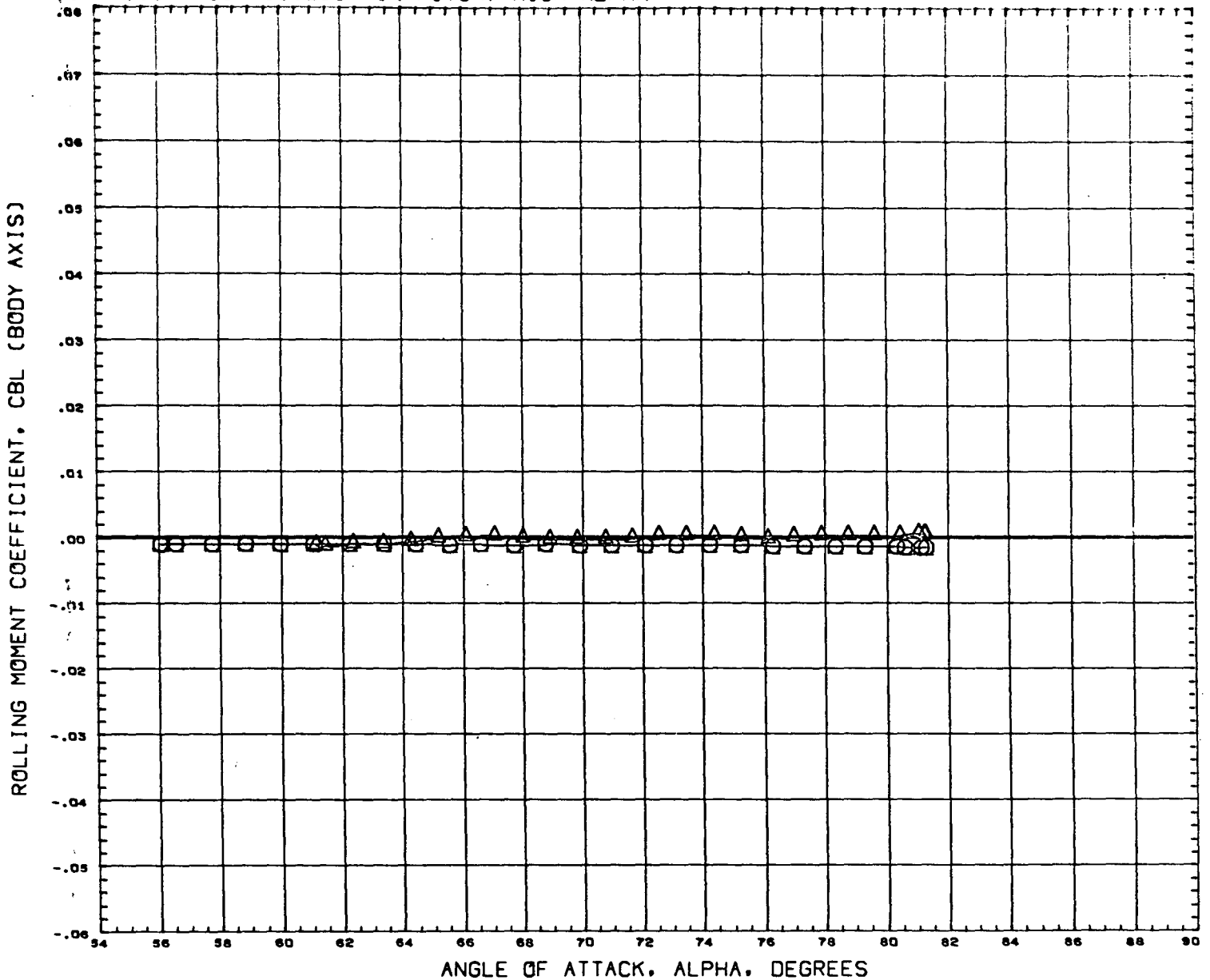
BETA DELTAV  
0.000 0.000  
0.000 0.000

REFERENCE INFORMATION  
SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

MACH 2.70

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(W08002)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000		
(B08502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000	

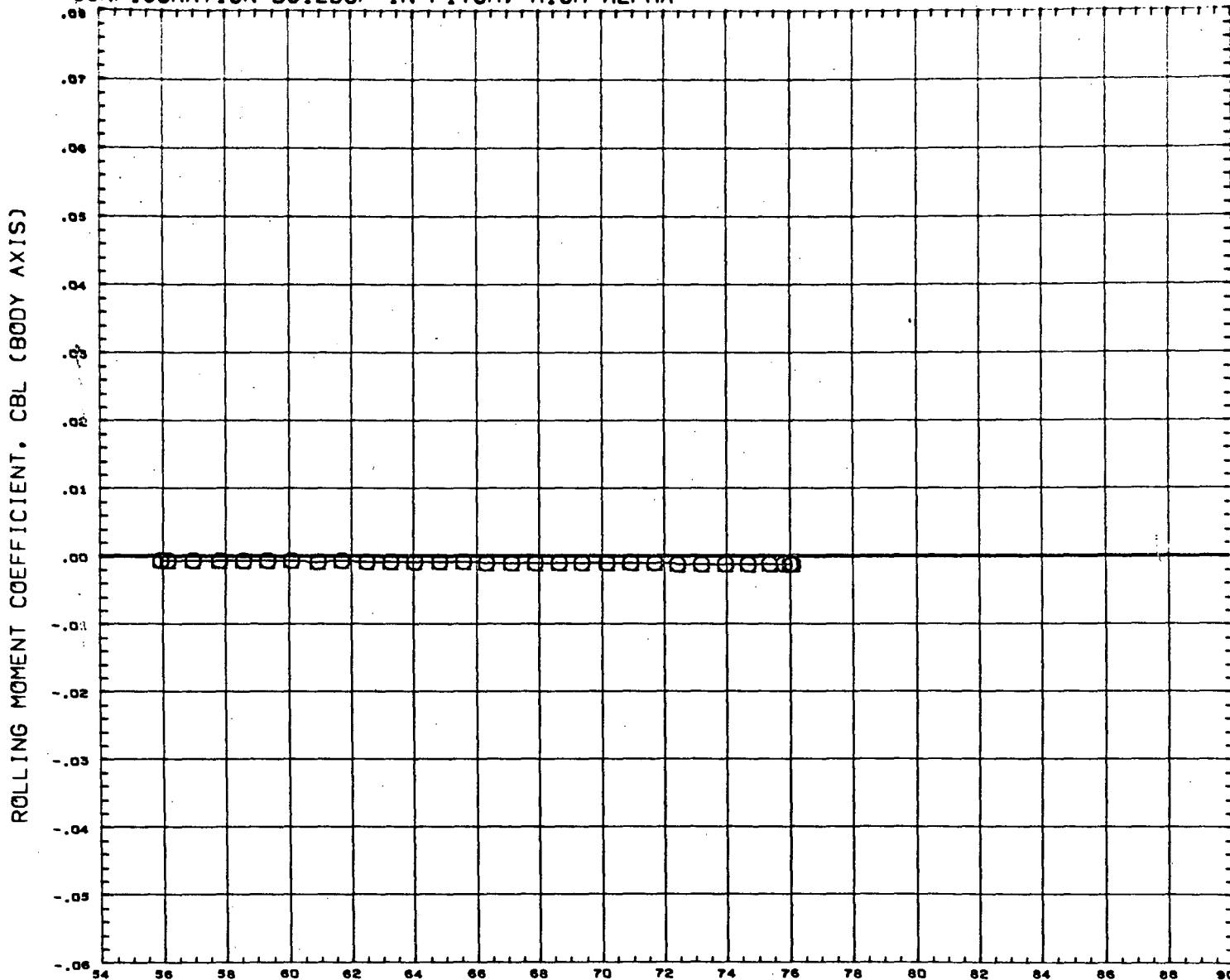
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.51

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (WD8002)    BTWT 1282/BSWT 557    PR-FED BRB    8593  
 (BD8502)    DATA NOT AVAILABLE FOR ALL CONDITIONS

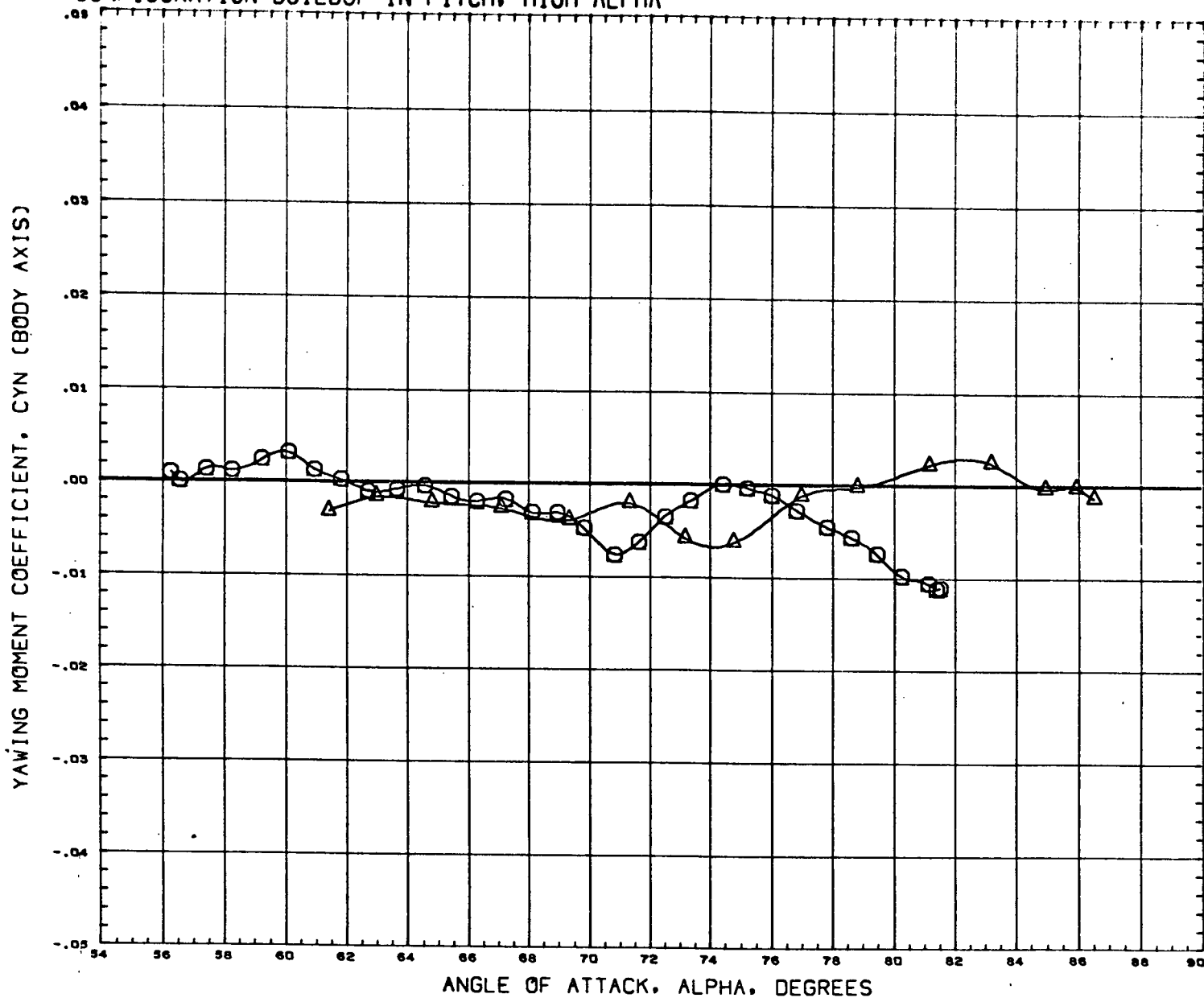
BETA    DELTAV  
 0.000  
 0.000    0.000

REFERENCE INFORMATION  
 SREF    9.7500    SQ. IN.  
 LREF    14.6830    INCHES  
 BREF    14.6830    INCHES  
 XMRP    0.6000    LBODY  
 YMRP    0.0000    INCHES  
 ZMRP    0.0000    INCHES  
 SCALE    0.8699    PERCENT

MACH    3.98

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL      CONFIGURATION DESCRIPTION

(WD8002)	○	BTWT 1282/BSWT 557	PR-FED BRB	85S3
(BD8502)	△	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6F

BETA      DELTAV

0.000	0.000
0.000	0.000

REFERENCE INFORMATION

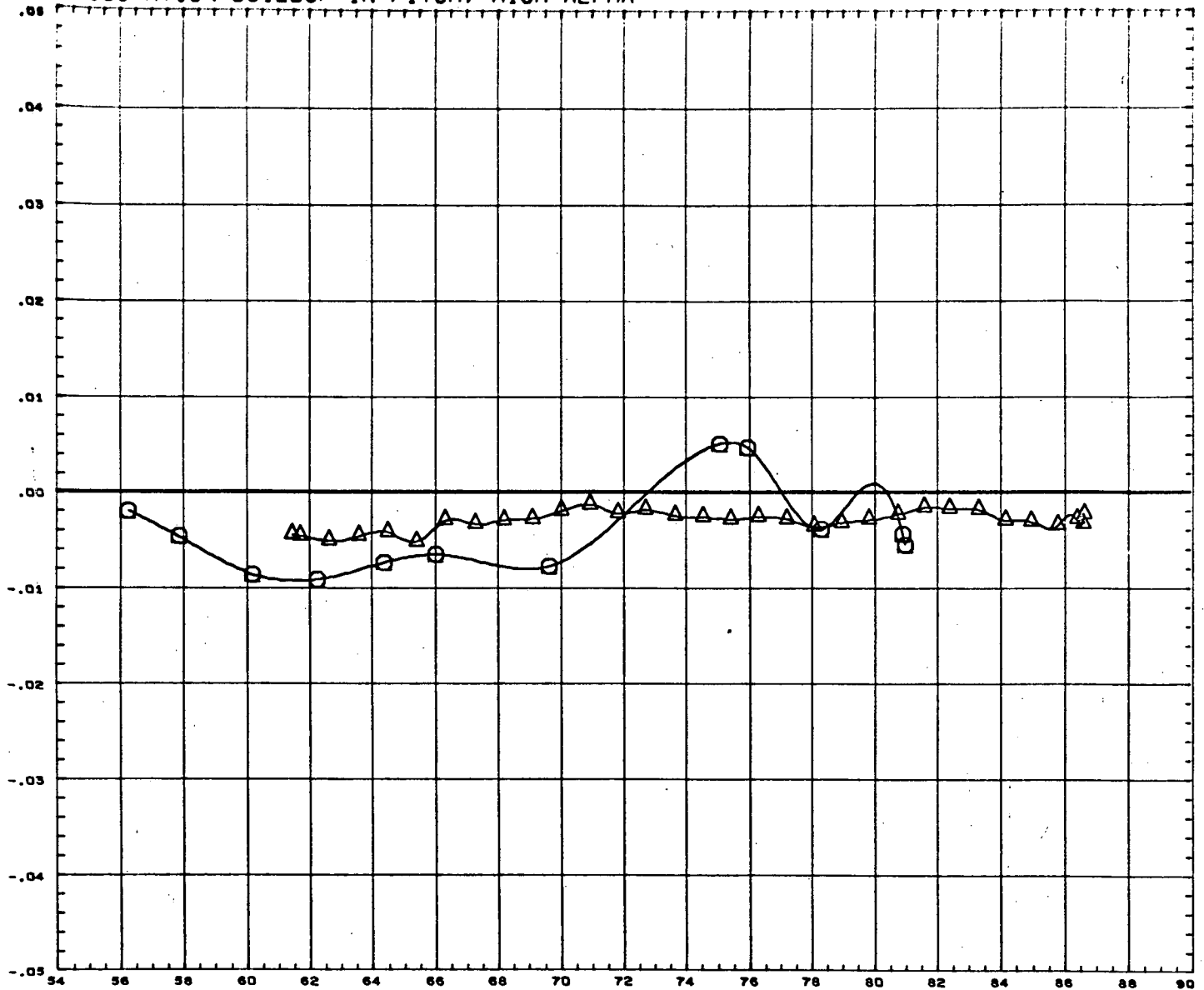
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH      1.60

PAGE      86

# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

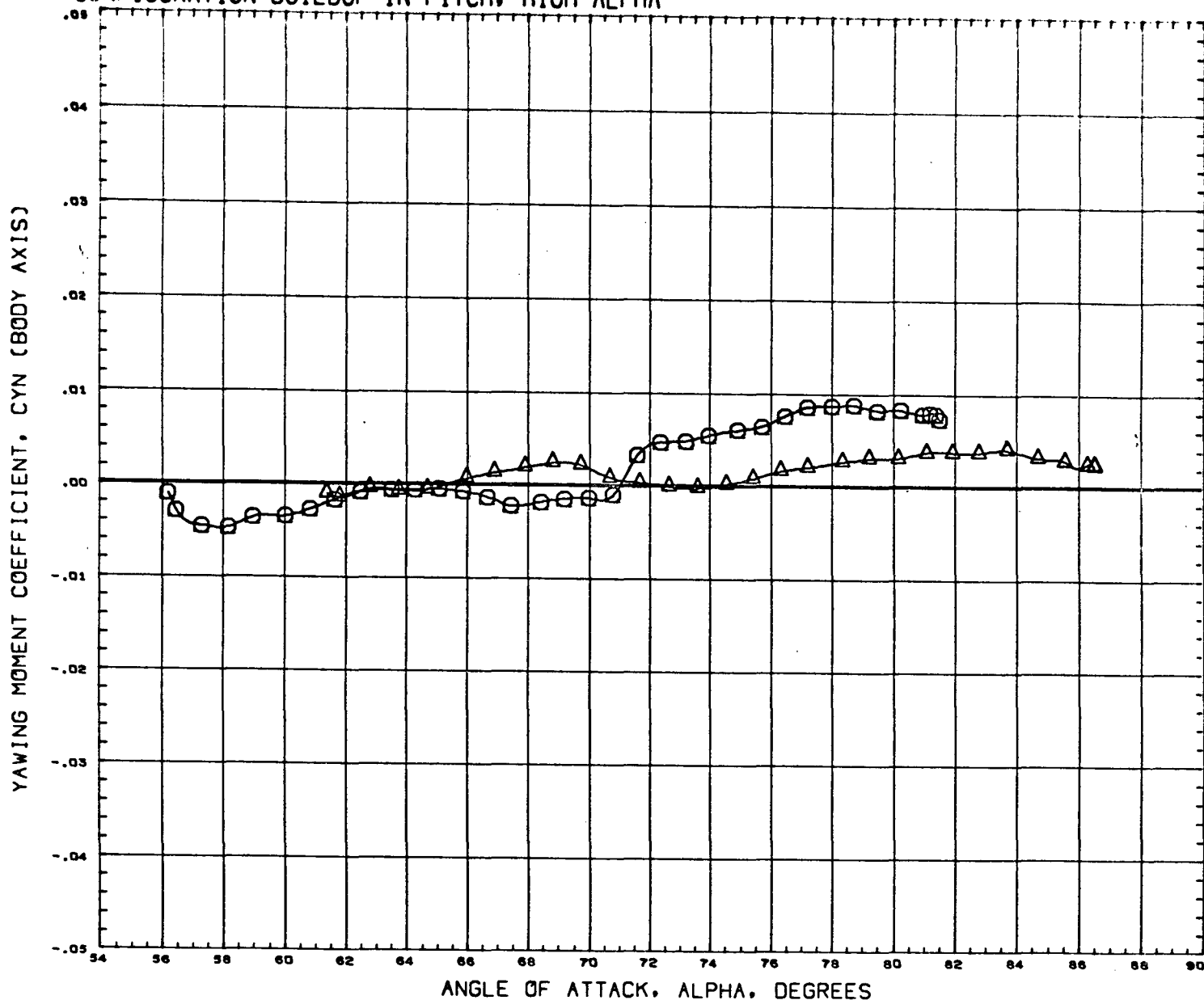
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8002)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(BD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08002)	BTWT 1282/BSWT 557 PR-FED 8RB 85S3
(B08502)	BTWT 1282/BSWT 557 PR-FED 8RB 85S3V6F

BETA	DELTA V
0.000	0.000
0.000	0.000

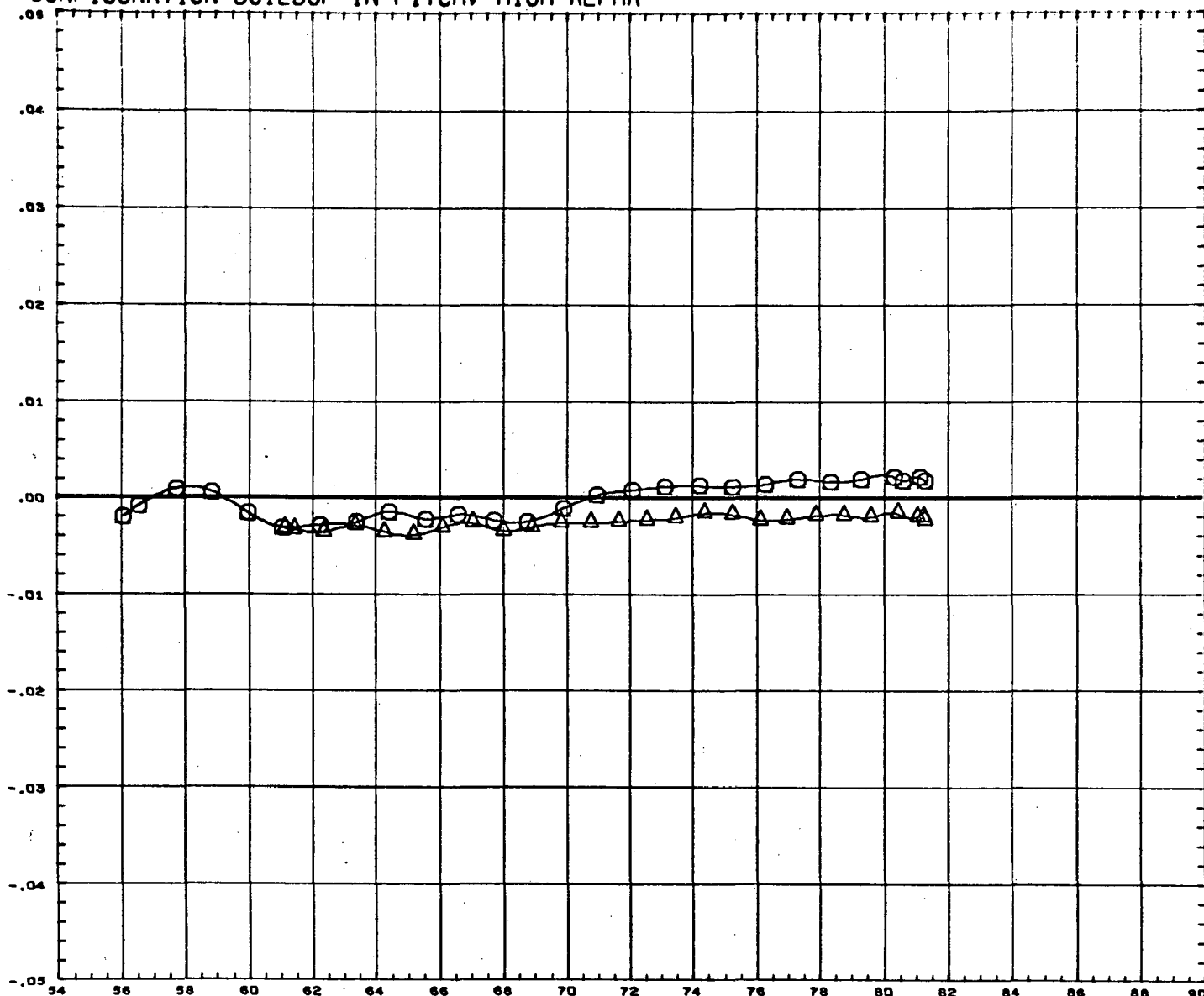
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 2.70

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08002)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3
(B08502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F

BETA DELTAV

0.000	0.000
0.000	0.000

REFERENCE INFORMATION

SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH

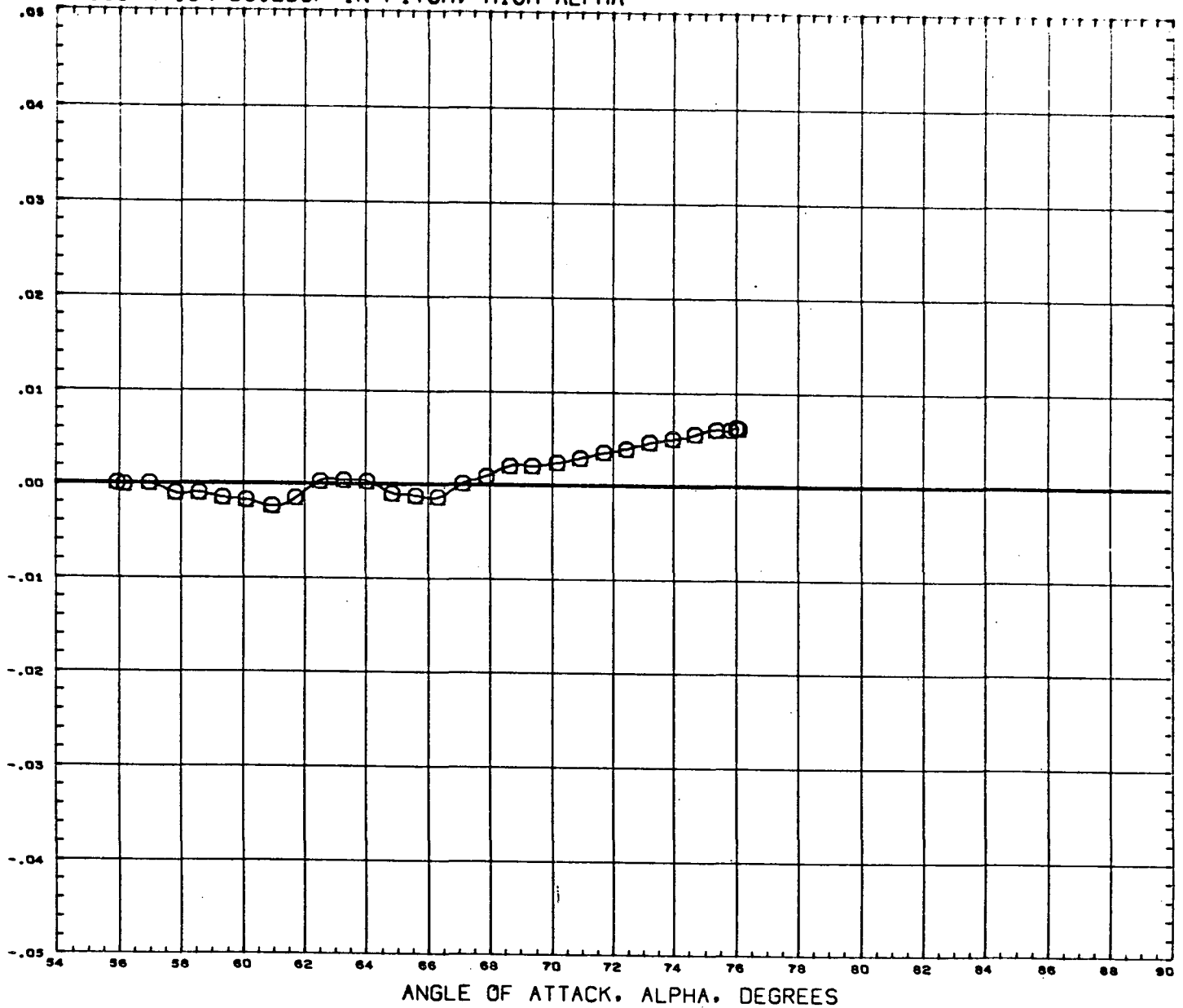
3.51

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (W08002) BTWT 1282/BSWT 557 PR-FED BRB B5S3  
 (B06502) DATA NOT AVAILABLE FOR ALL CONDITIONS

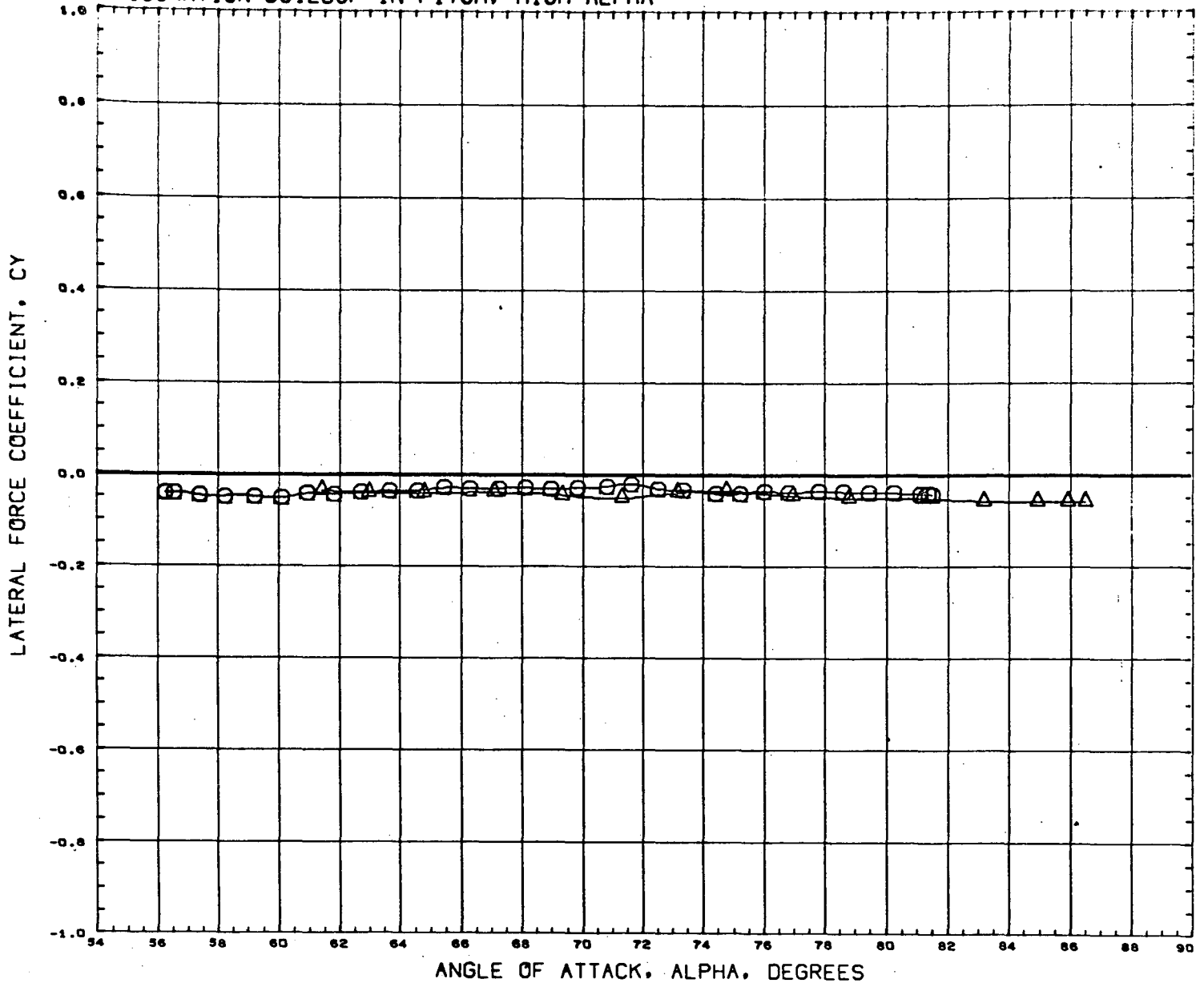
BETA DELTAV  
 0.000  
 0.000 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8002) BTWT 1282/BSWT 557 PR-FED BRB 8593

(BD8502) BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F

BETA DELTAV

0.000 0.000

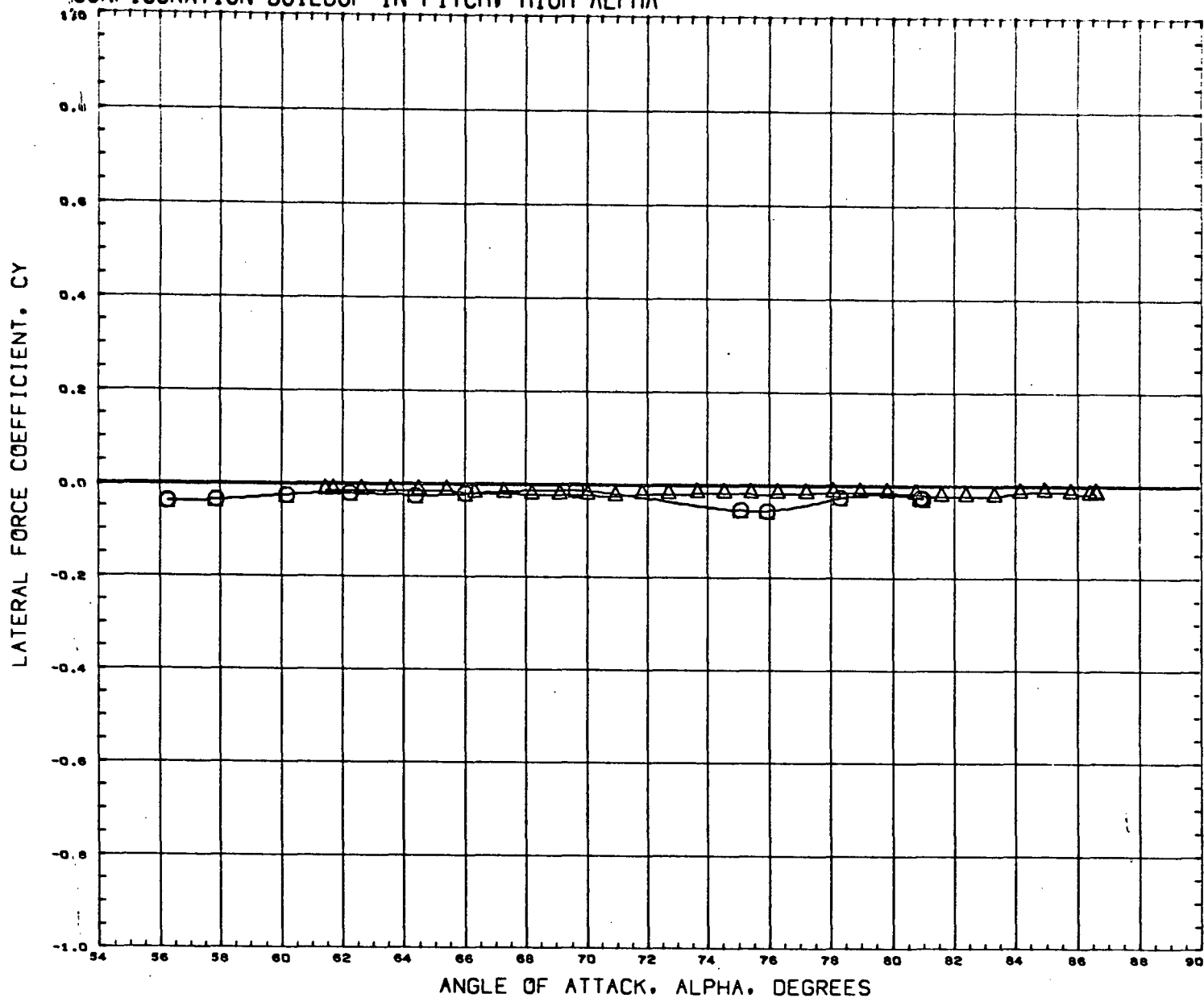
REFERENCE INFORMATION

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BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

MACH 1.60

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(WD8002)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000		
(BD8502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

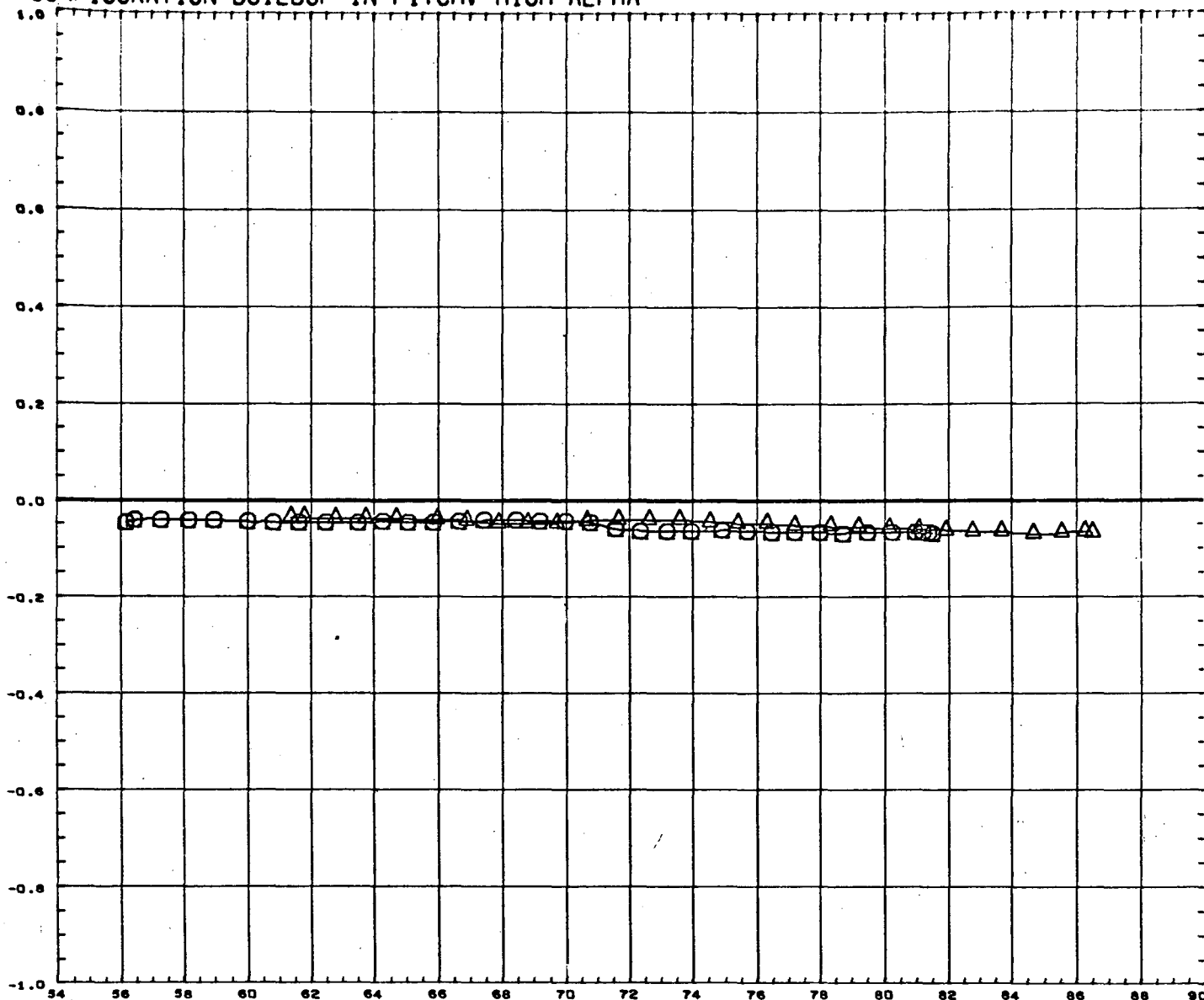
MACH 2.00

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08002)	BTWT 1282/BSWT 557	PR-FED BRB	B553
(B08502)	BTWT 1282/BSWT 557	PR-FED BRB	B553V6F

BETA DELTAV

0.000	0.000
0.000	0.000

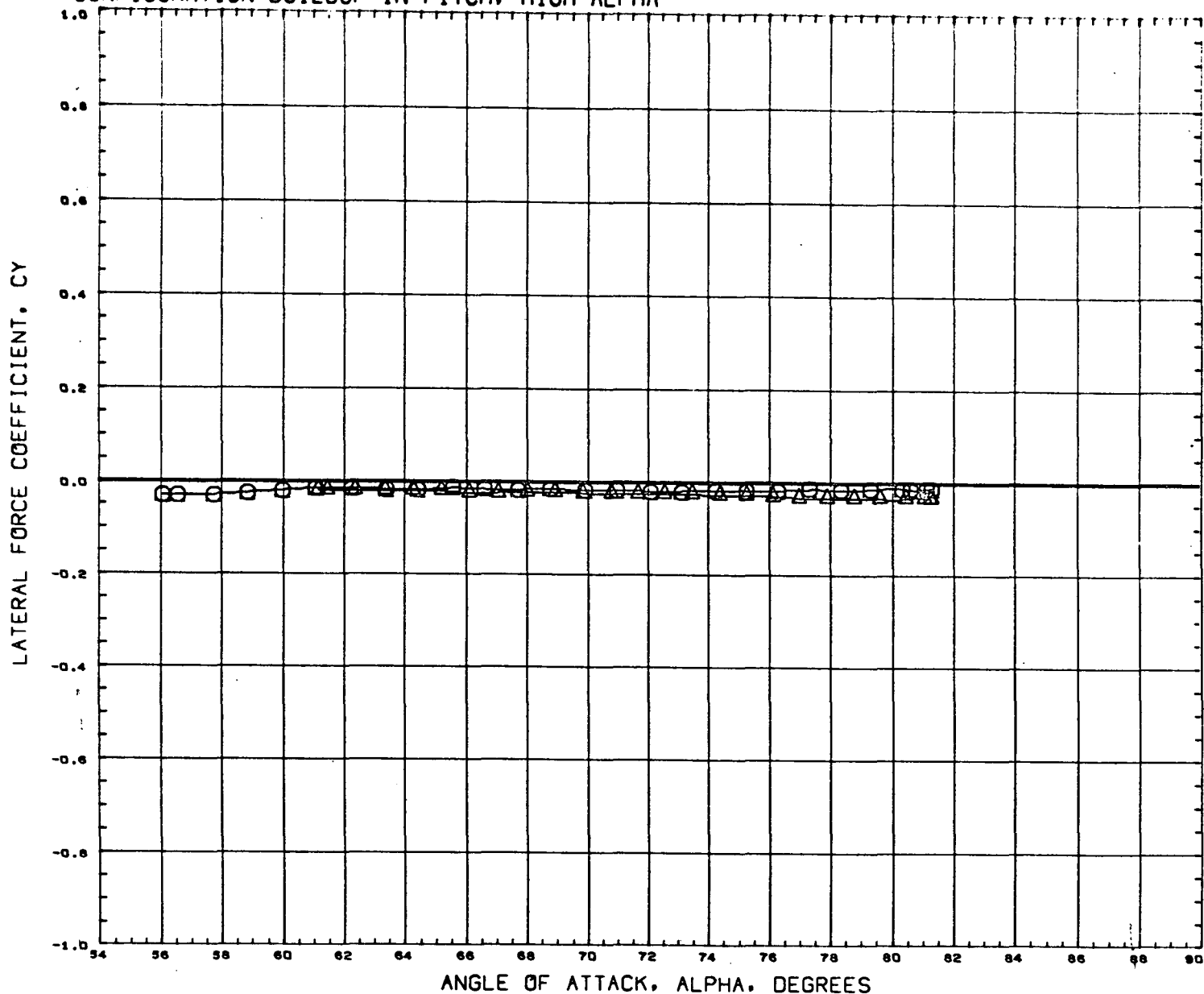
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (WD8002) BTWT 1282/BSWT 557 PR-FED BRB B5S3  
 (BD8502) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

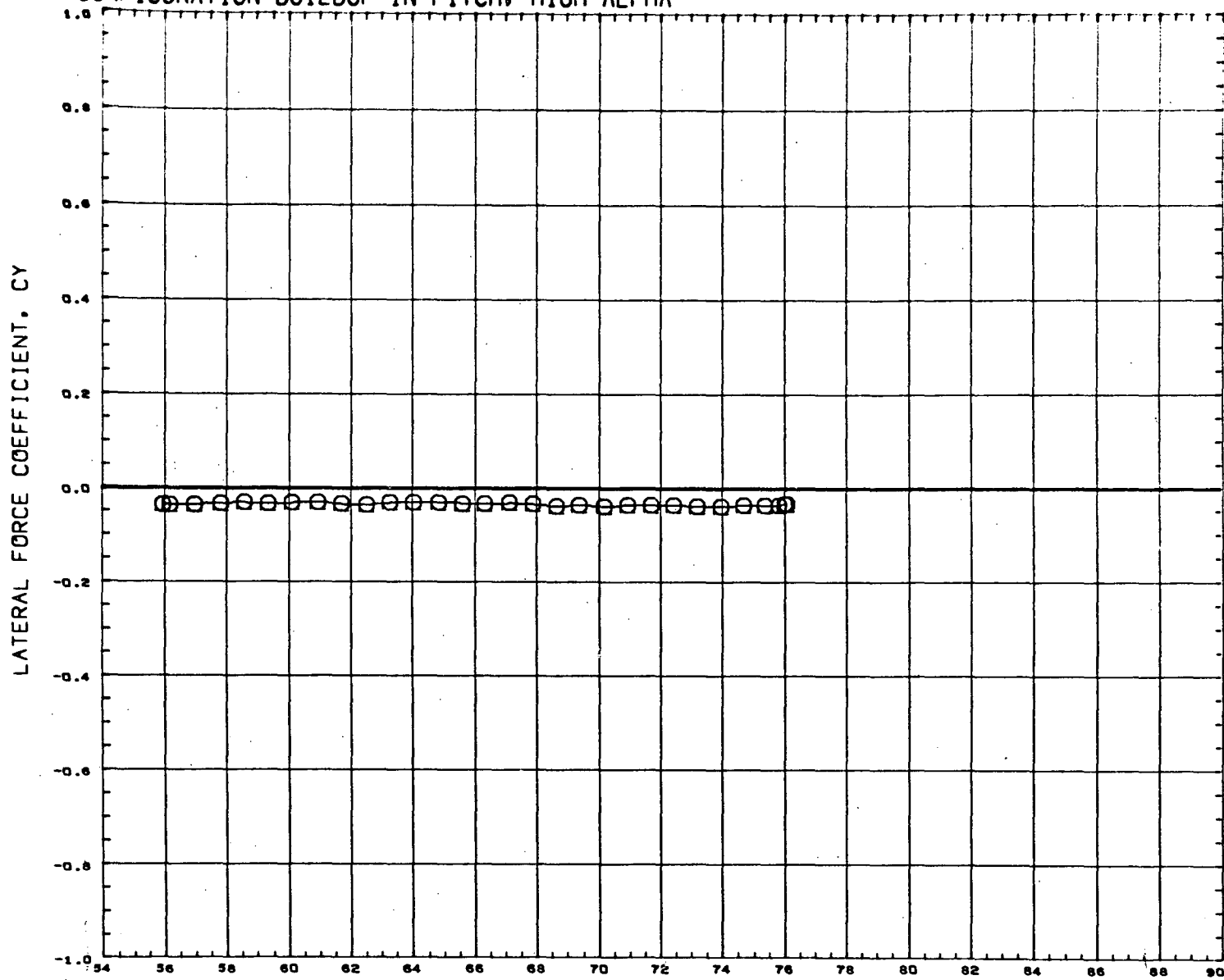
BETA DELTAV  
 0.000  
 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 3.51

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# CONFIGURATION BUILDUP IN PITCH, HIGH ALPHA



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (W08002) Q BTWT 1282/BSWT 557 PR-FED BRB B553  
 (B08502) DATA NOT AVAILABLE FOR ALL CONDITIONS

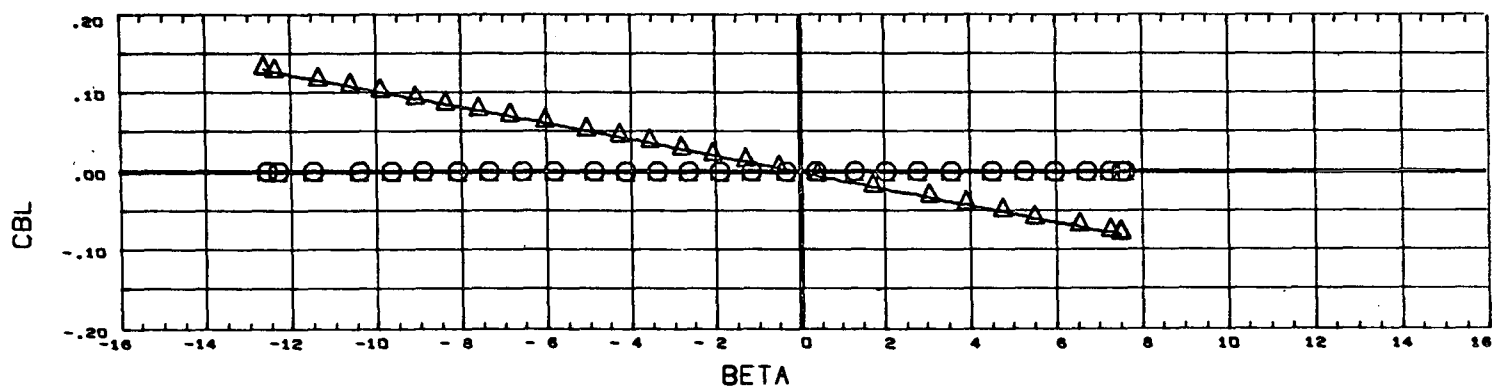
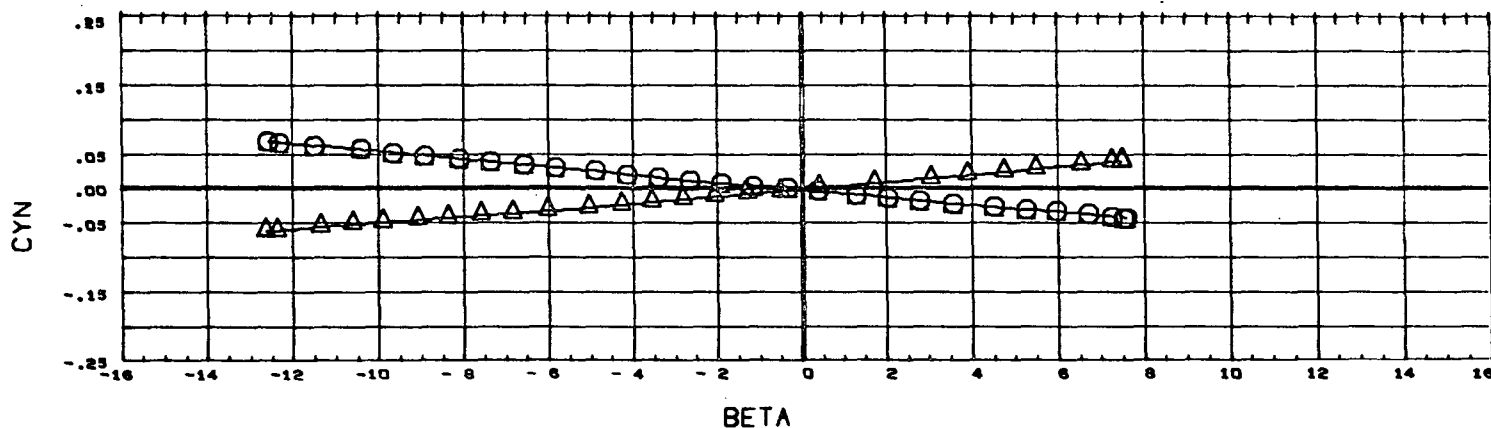
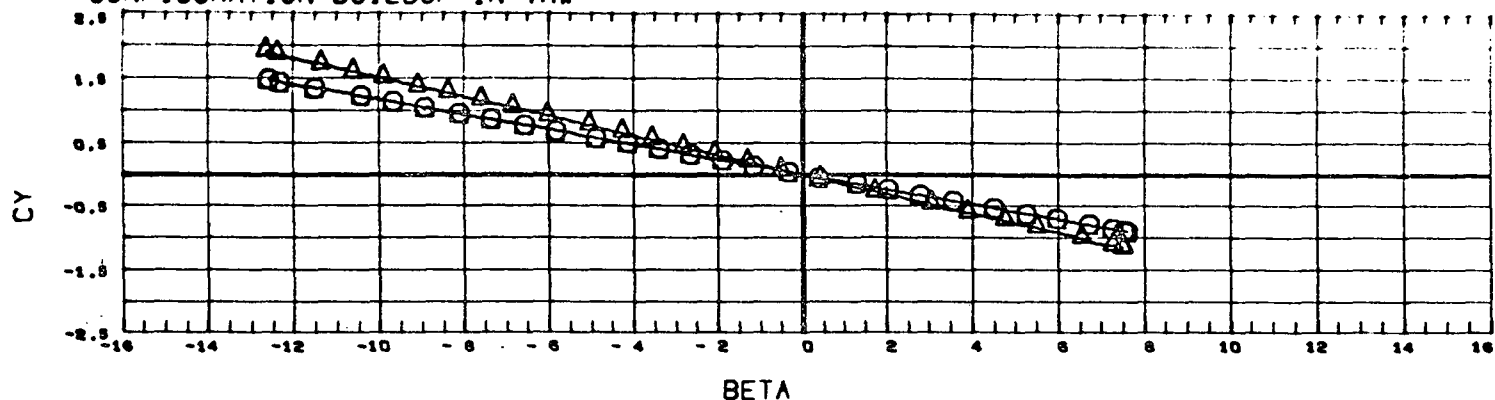
BETA DELTAV  
 0.000  
 0.000 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LB/OY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 3.98

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# CONFIGURATION BUILDUP IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION			
(RD8006)	BTWT 1282/BSWT 557	PR-FED BRB	B553	
(AD8406)	BTWT 1282/BSWT 557	PR-FED BRB	B553V6	

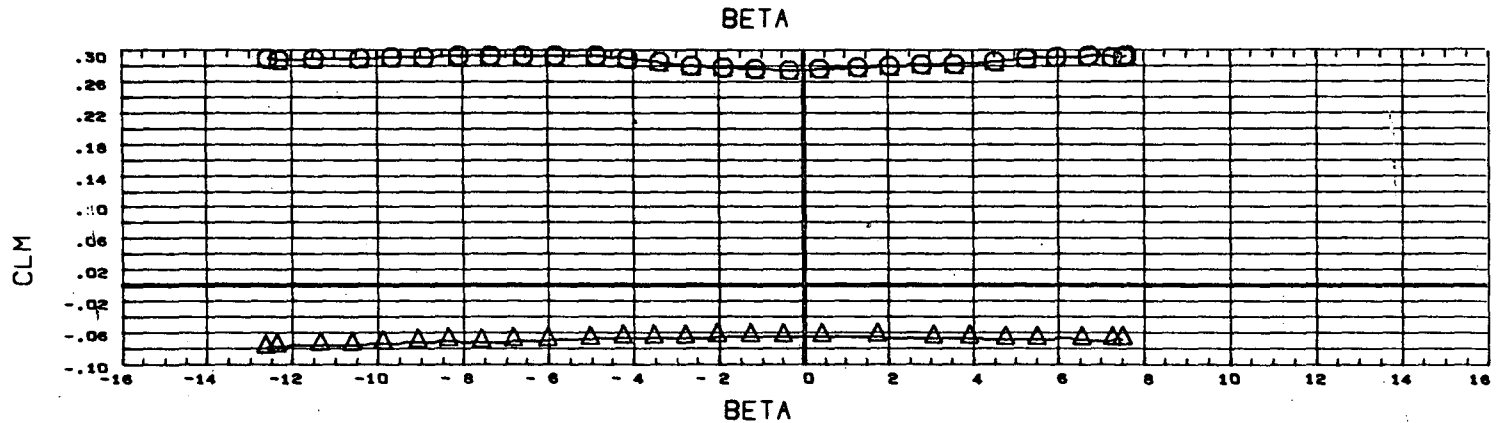
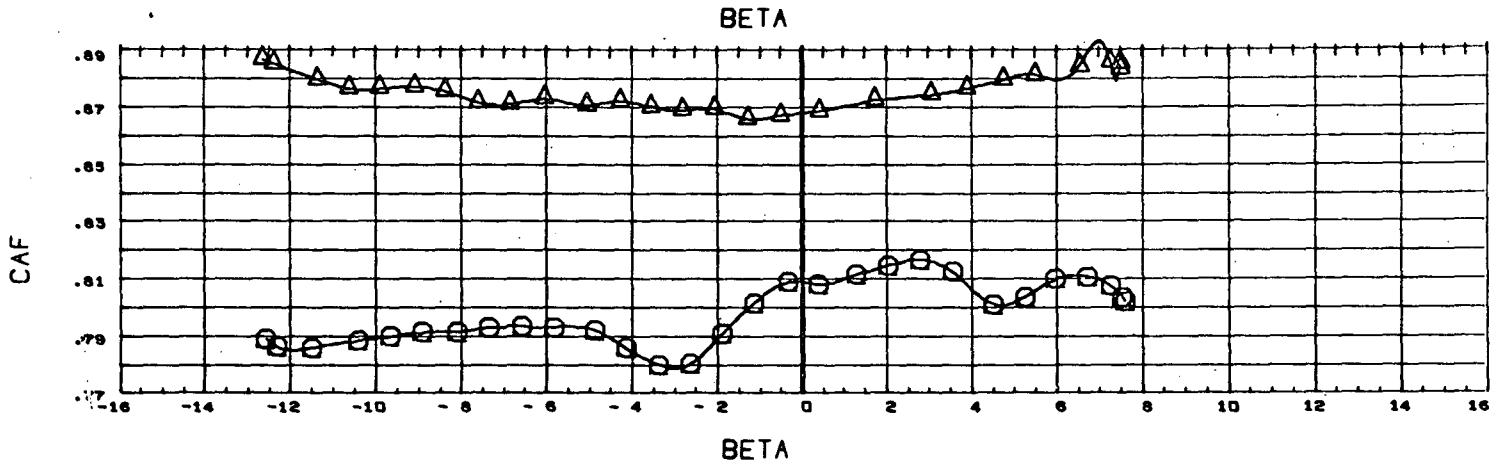
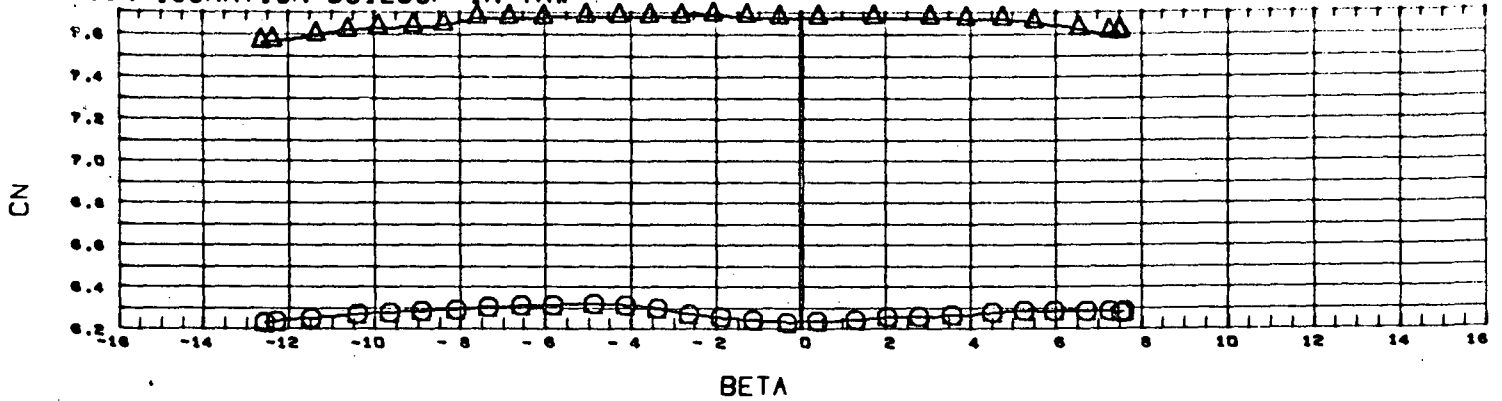
ALPHA	DELTAV
67.500	
67.500	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 3.51

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# CONFIGURATION BUILDUP IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8006)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(AD8406)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6

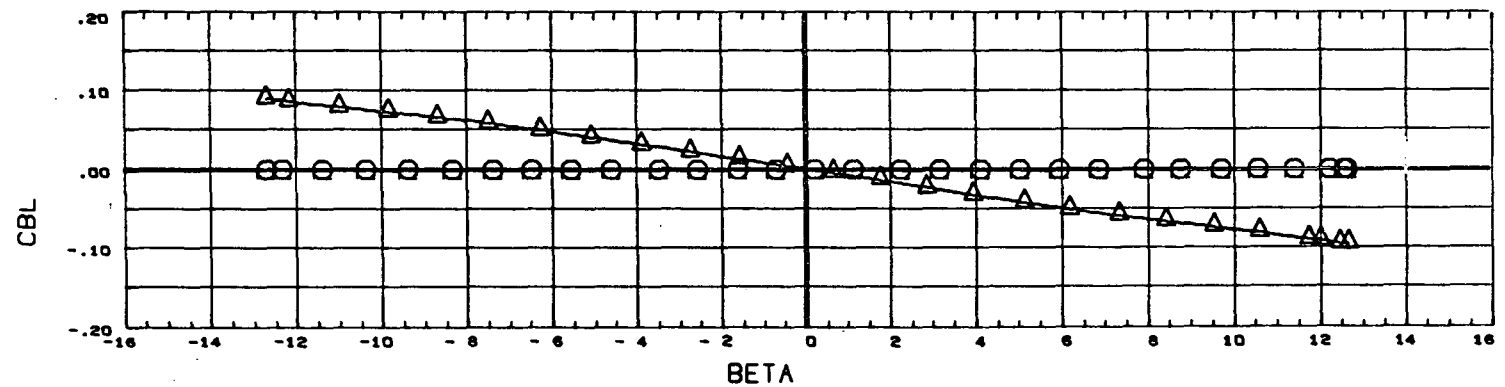
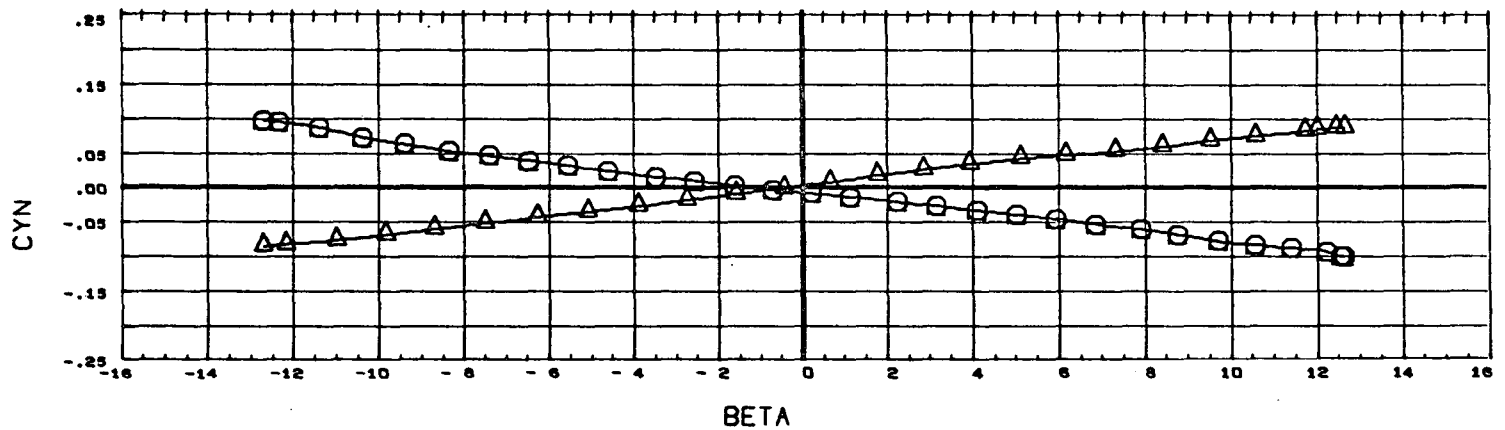
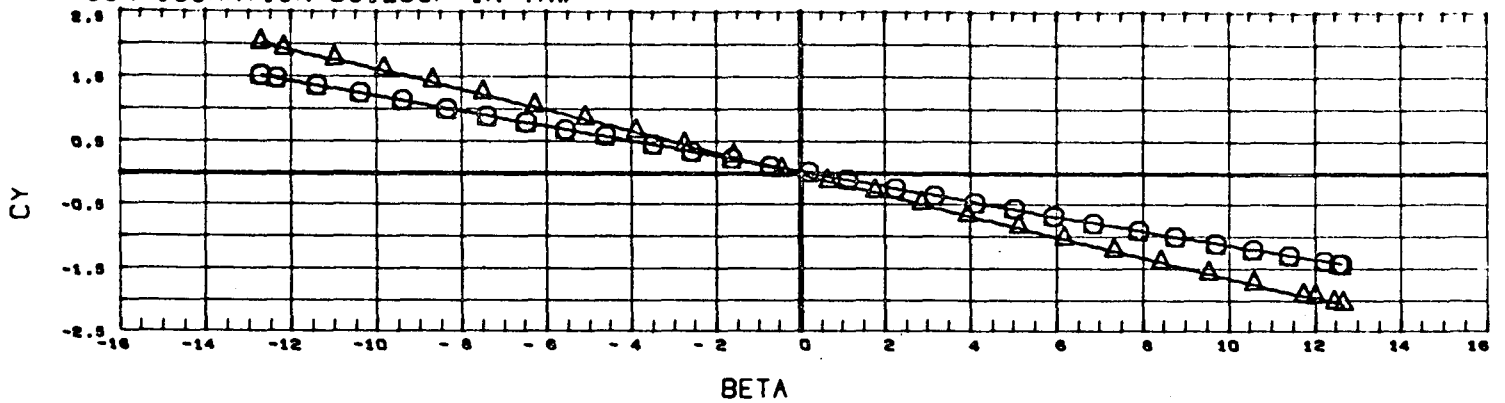
ALPHA	DELTAV
67.500	
67.500	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ.IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRF	0.6000 LBODY
YMRF	0.0000 INCHES
ZMRF	0.0000 INCHES
SCALE	0.6899 PERCENT

MACH 3.51

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# CONFIGURATION BUILDUP IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8007)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(BD8507)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(RD8907)	DATA NOT AVAILABLE FOR ALL CONDITIONS

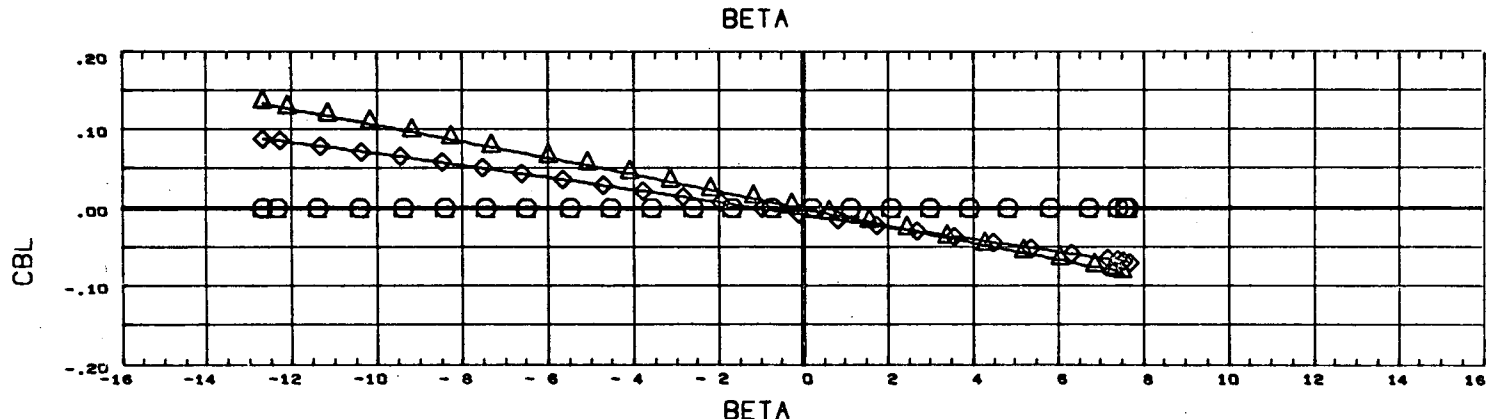
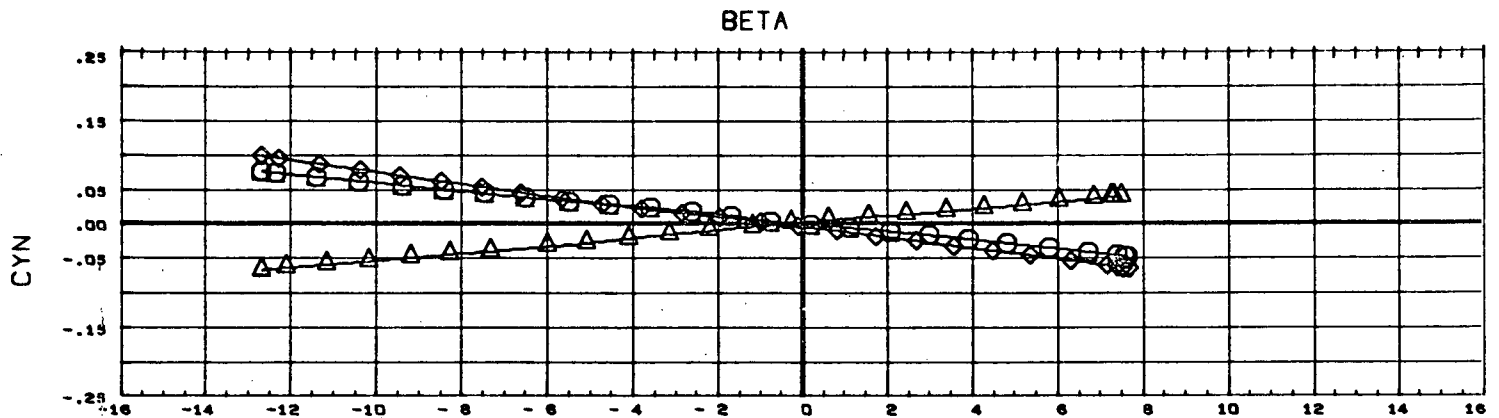
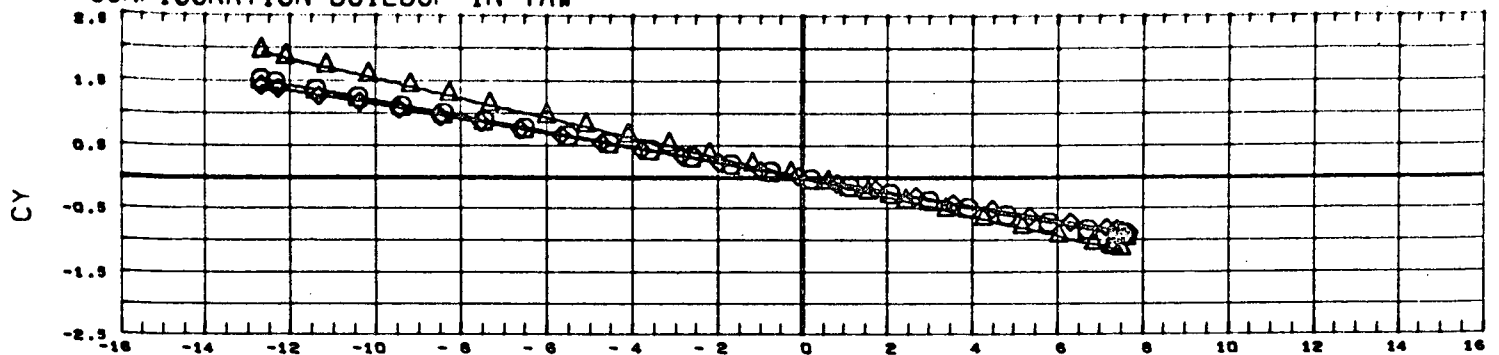
ALPHA	DELTAV
72.500	
72.500	0.000
72.500	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 1.60

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# CONFIGURATION BUILDUP IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8007)	BTWT 1282/BSWT 557 PR-FED BRB B553
(BD8507)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(RD8907)	BTWT 1282/BSWT 557 PR-FED BRB B554V7

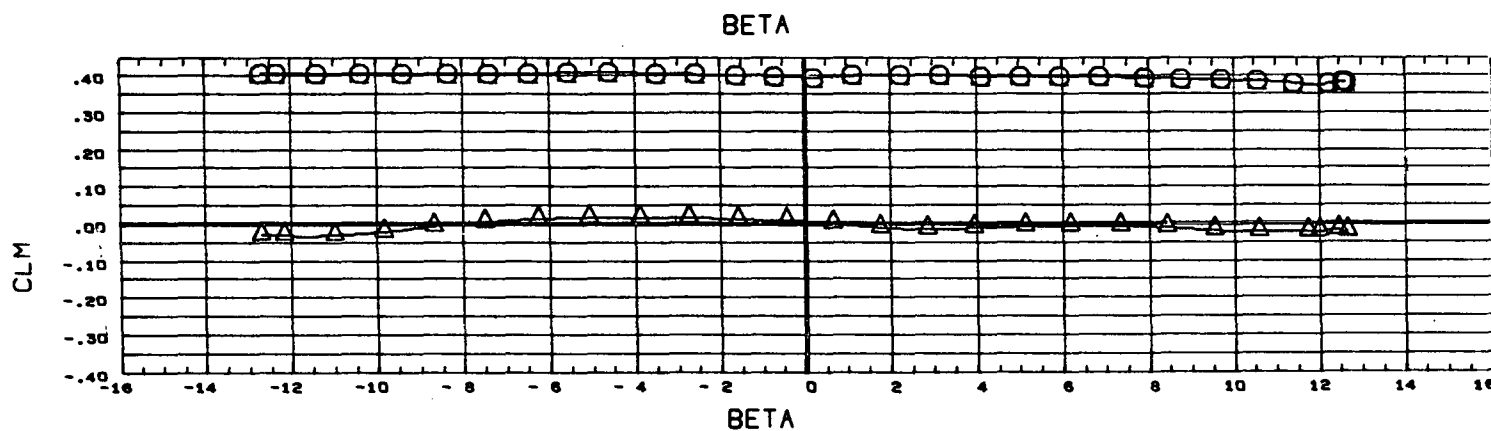
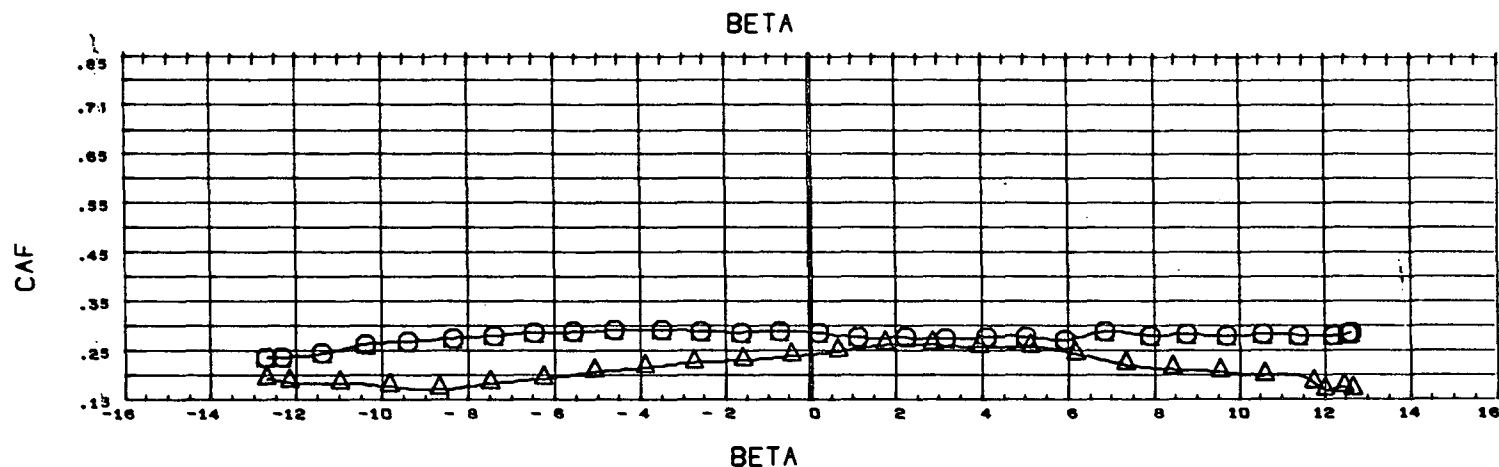
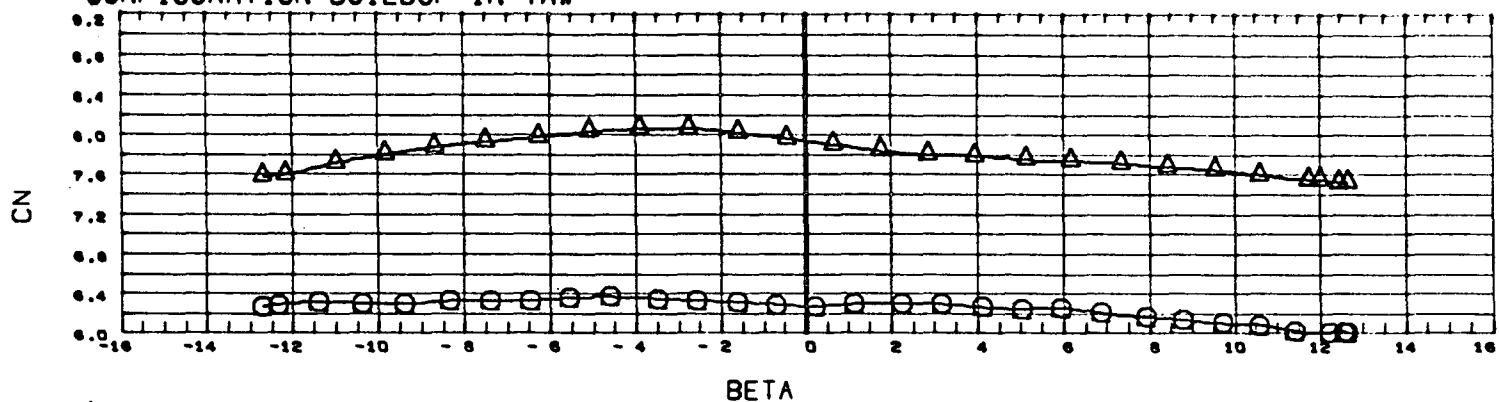
ALPHA	DELTAV
72.500	
72.500	0.000
72.500	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.51

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# CONFIGURATION BUILDUP IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8007)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(BD8507)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(RD8907)	DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	DELTA V
72.500	
72.500	0.000
72.500	

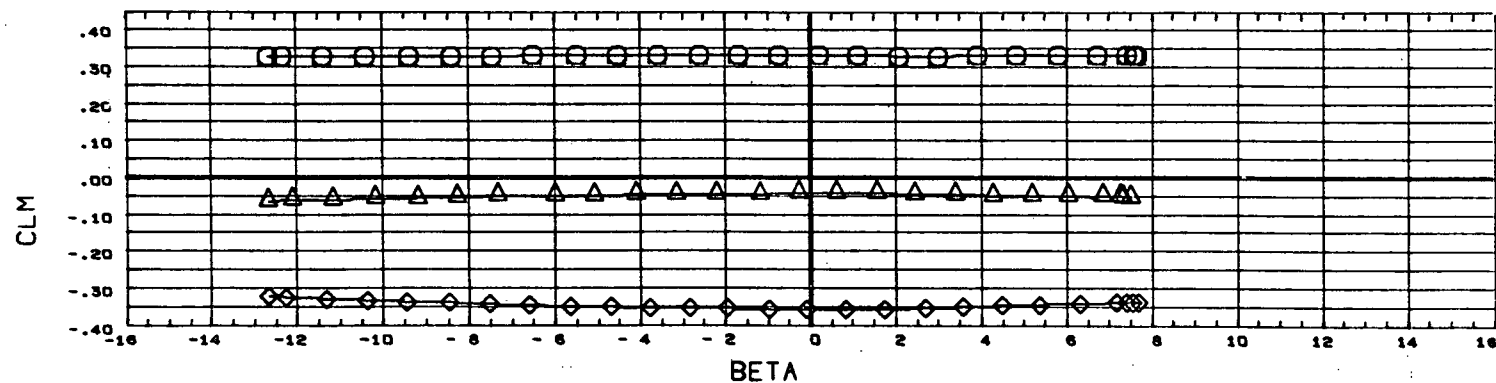
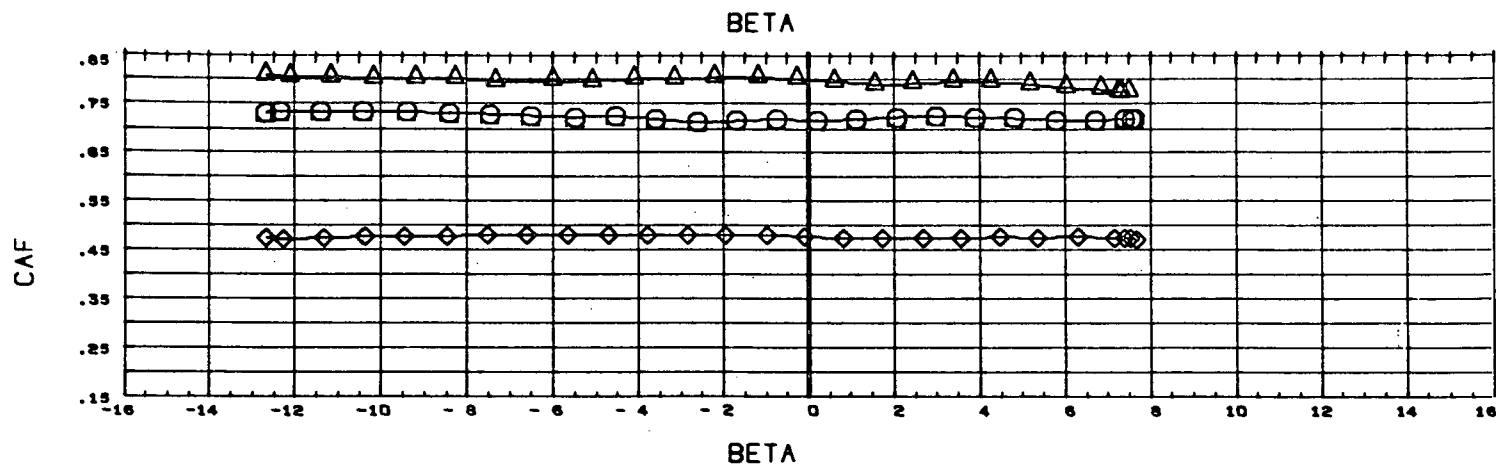
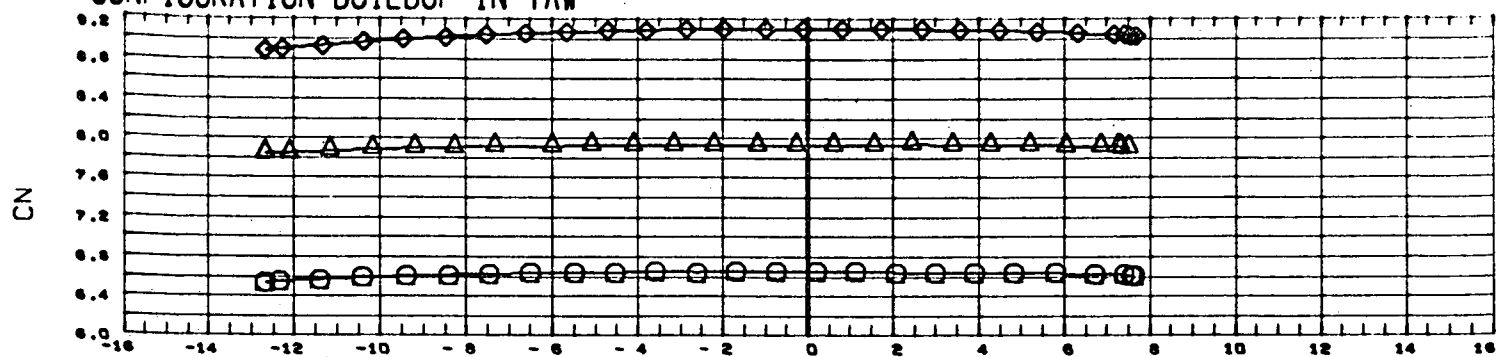
REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XM RP	0.6000 LBODY
YM RP	0.0000 INCHES
ZM RP	0.0000 INCHES
SCALE	0.6699 PERCNT

MACH 1.60

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# CONFIGURATION BUILDUP IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8007)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(BD8507)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(RD8907)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7

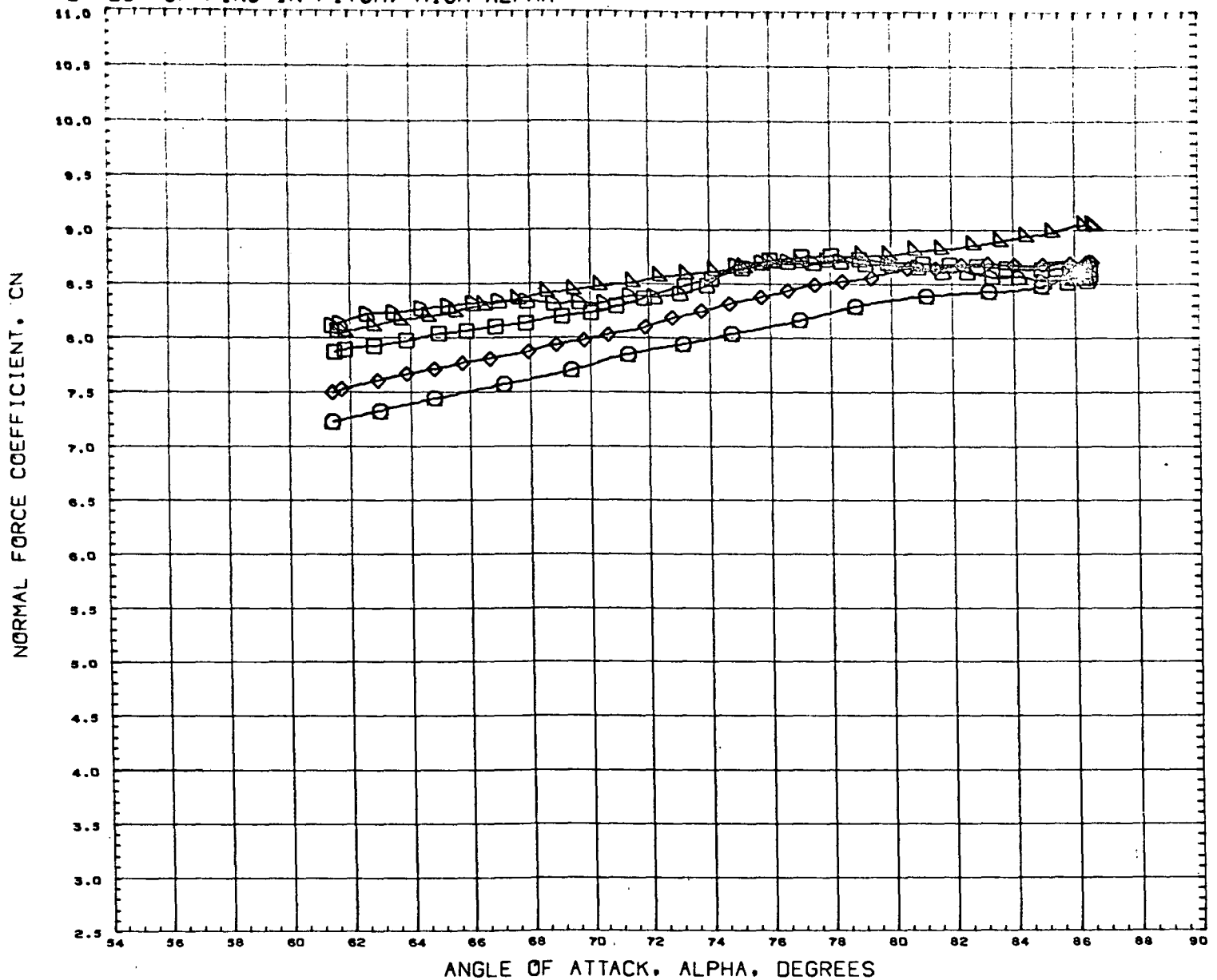
ALPHA	DELTAV
72.500	
72.500	0.000
72.500	

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
YMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, HIGH ALPHA

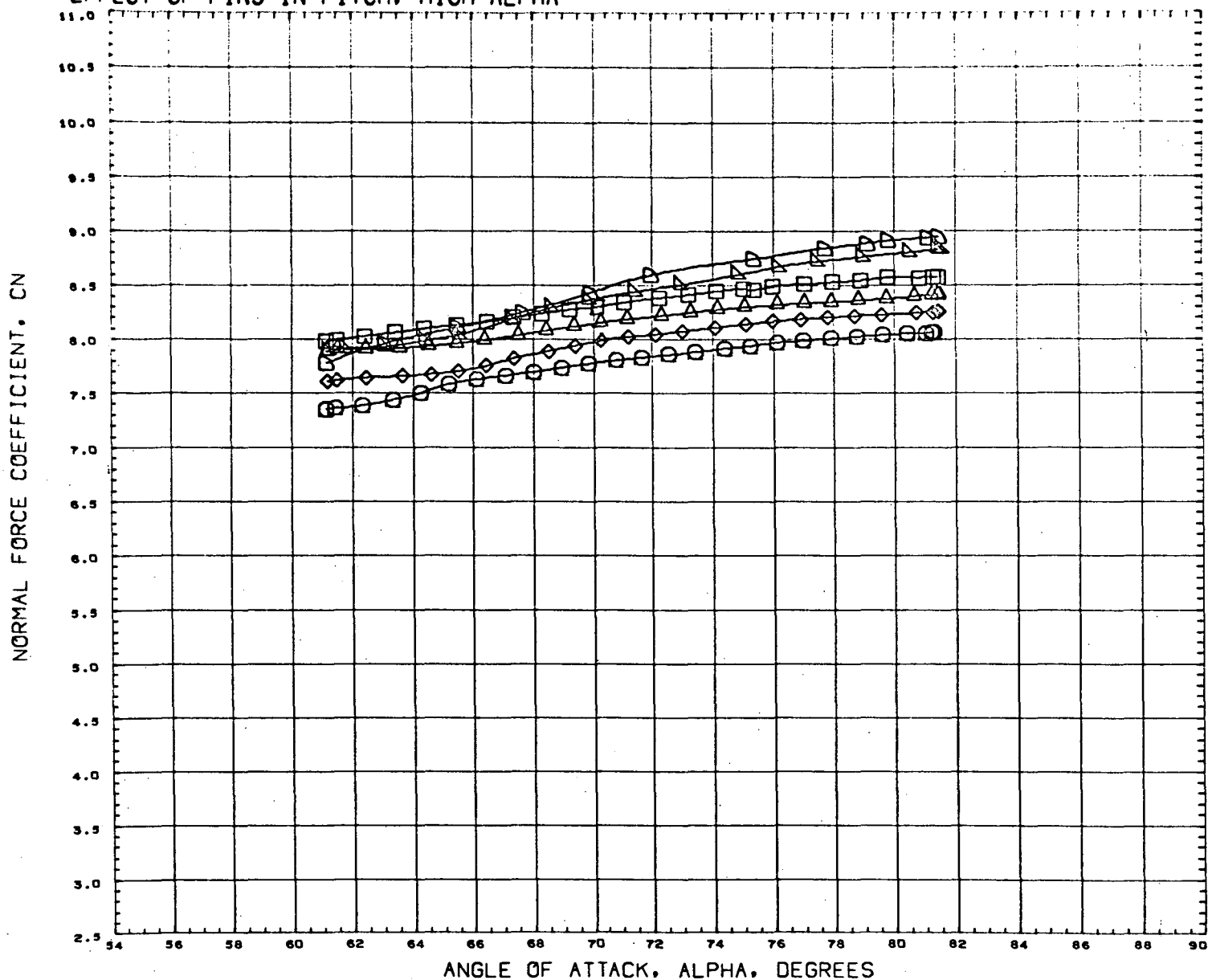


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		YMRP 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRP 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.60

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# EFFECT OF FINS IN PITCH, HIGH ALPHA

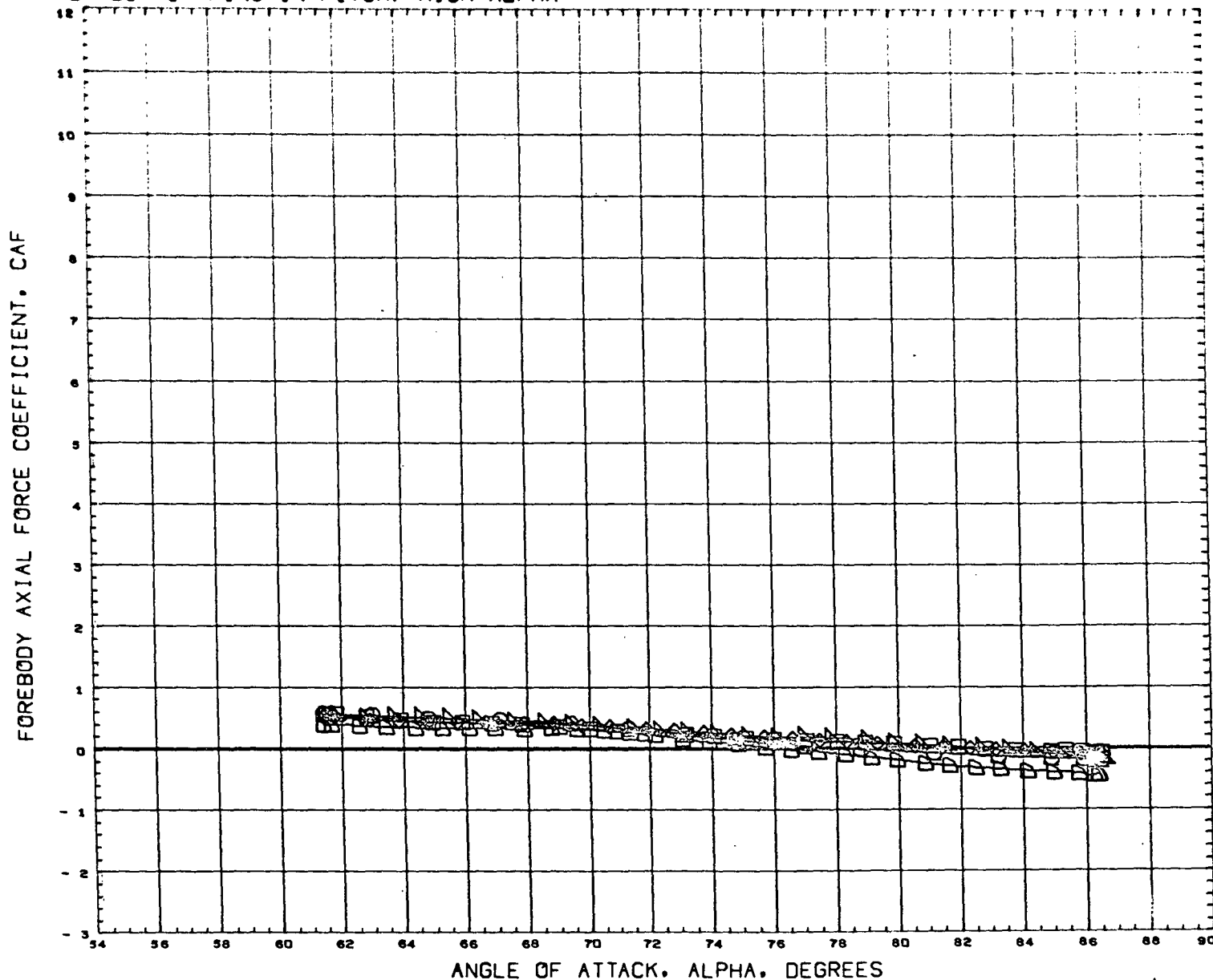


DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION		
(CD8502)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6F		0.000	0.000	SREF	9.7500	SQ. IN.
(WD8602)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V8		0.000		LREF	14.6830	INCHES
(WD8612)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V9A		0.000		BREF	14.6830	INCHES
(RD8622)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V9B		0.000		XMRP	0.6000	LBODY
(WD8632)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V9C		0.000		YMRP	0.0000	INCHES
(RD8642)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V9D		0.000		ZMRP	0.0000	INCHES
							SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, HIGH ALPHA



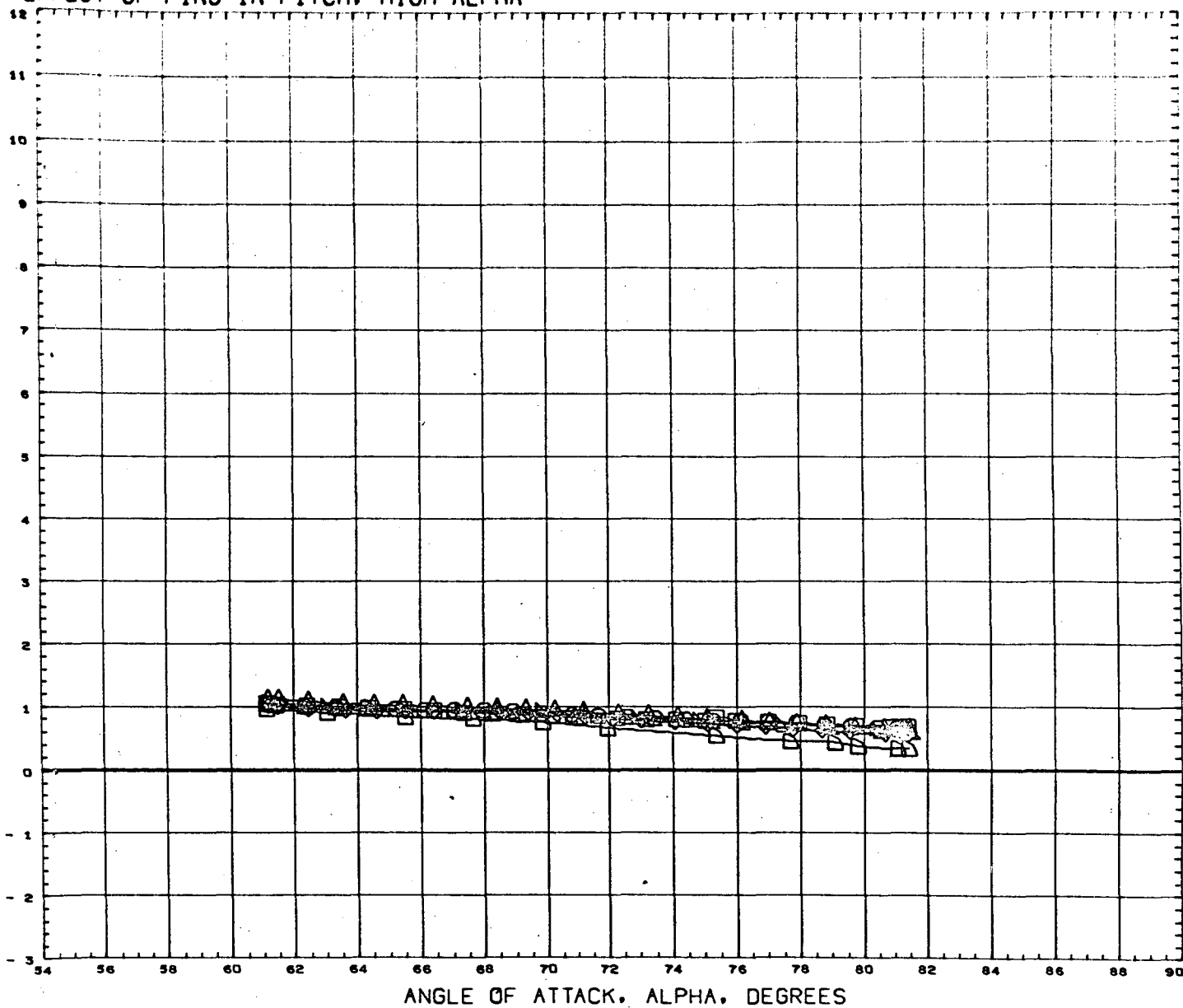
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9B	0.000		XMRF 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9C	0.000		YMRF 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9D	0.000		ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.60

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# EFFECT OF FINS IN PITCH, HIGH ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF

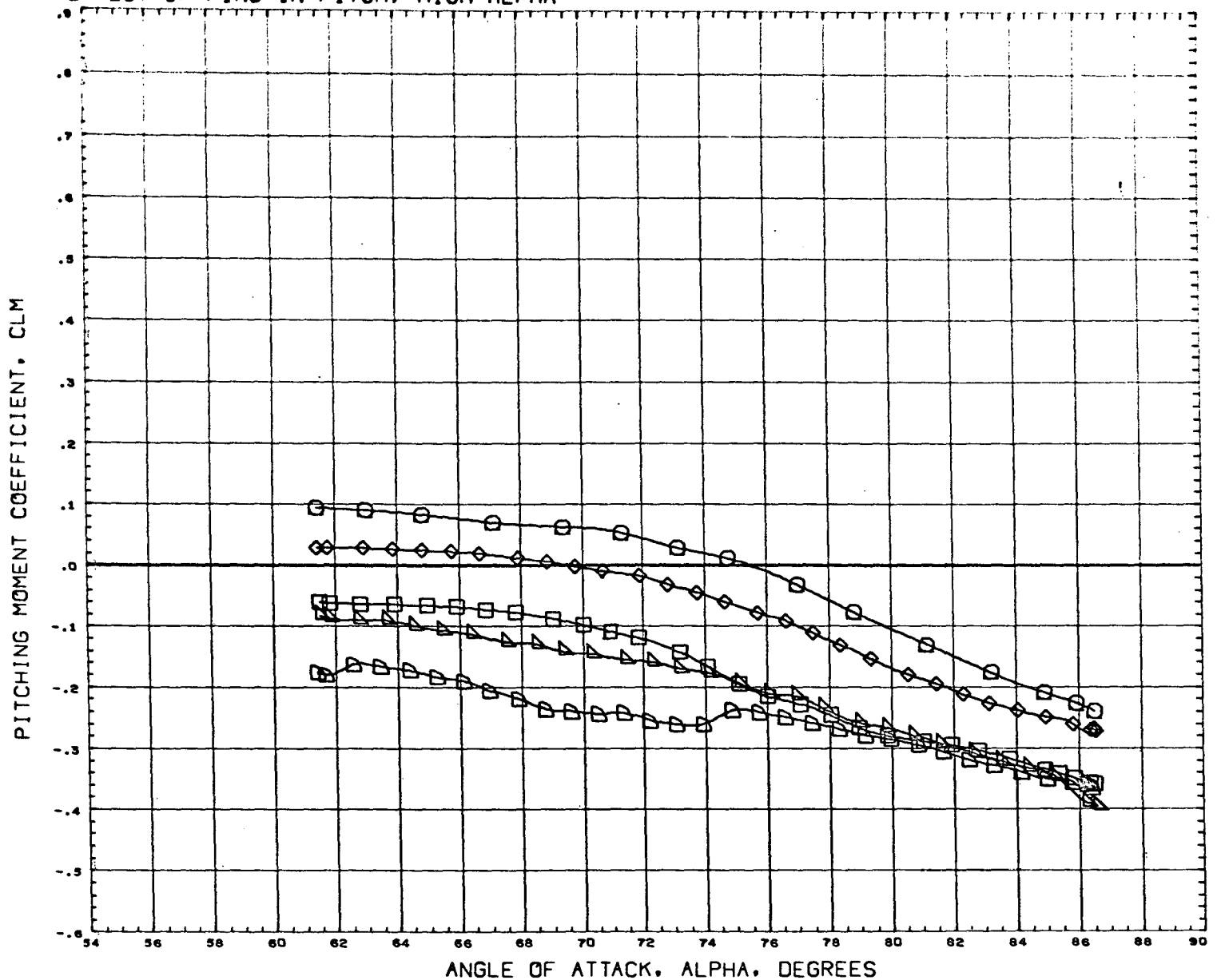


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V8	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		XMRP 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRP 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, HIGH ALPHA



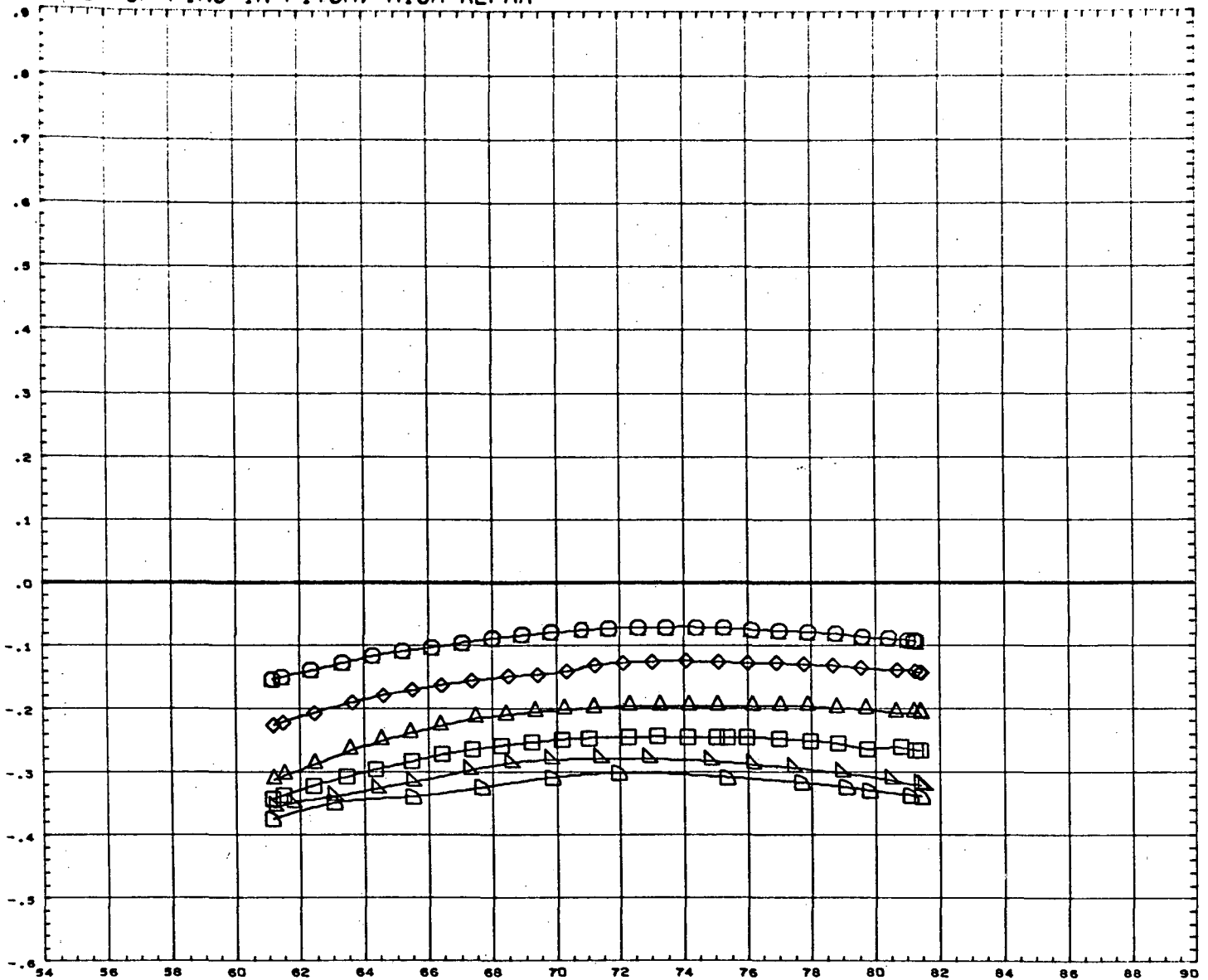
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF	9.7500 SQ. IN.
(WD8602)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF	14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		XMRF	0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRF	0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRF	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.60

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# EFFECT OF FINS IN PITCH, HIGH ALPHA

PITCHING MOMENT COEFFICIENT, CLM



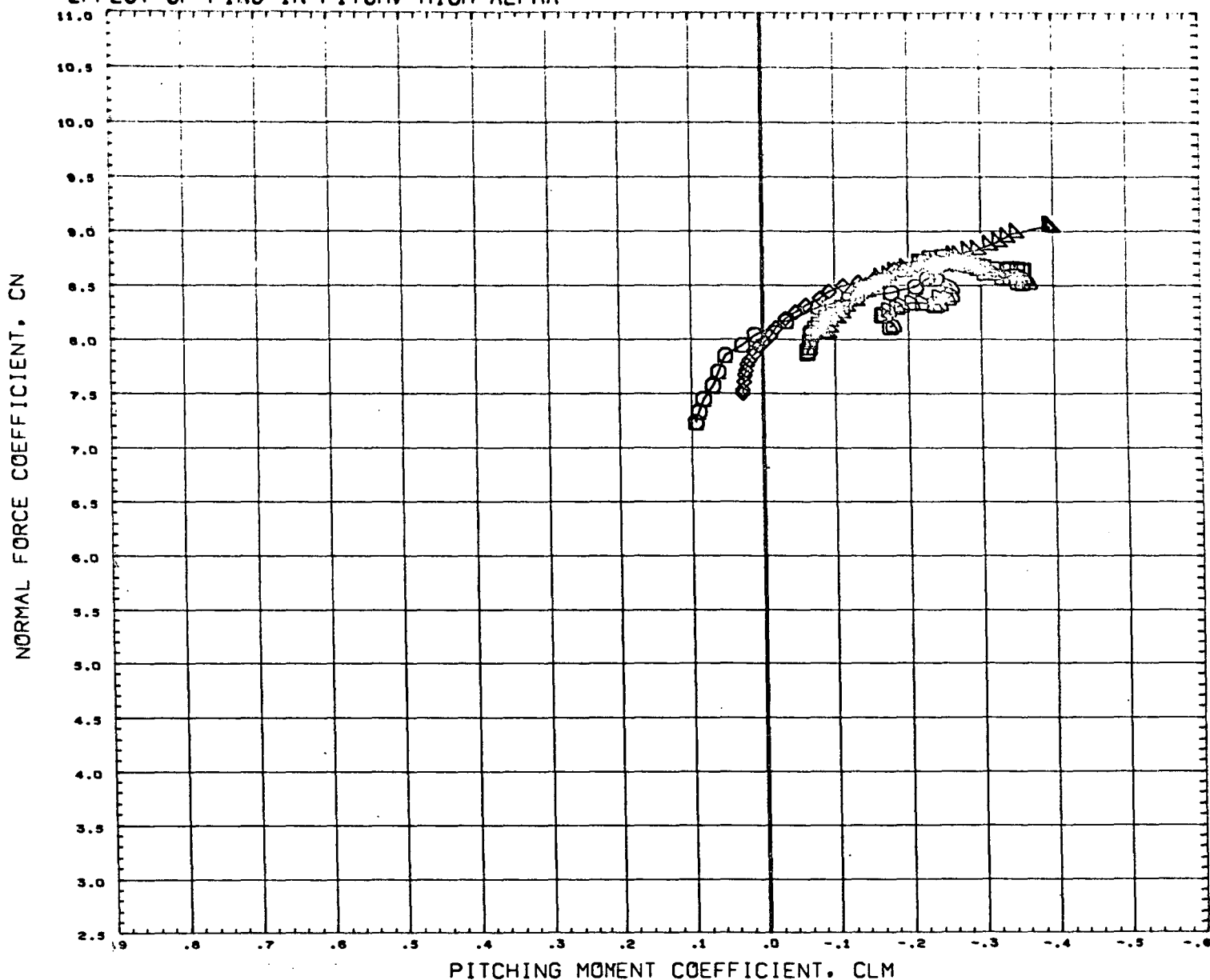
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION	
(CD8502)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F		0.000	0.000	SREF	9.7500 SQ. IN.
(WD8602)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V8		0.000		LREF	14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9A		0.000		BREF	14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9B		0.000		XMRP	0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9C		0.000		YMRP	0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9D		0.000		ZMRP	0.0000 INCHES
							SCALE	0.8899 PERCNT

MACH 3.51

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# EFFECT OF FINS IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(08502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(08602)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(08612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A
(08622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B
(08632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C
(08642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D

BETA	DELTA V
0.000	0.000
0.000	
0.000	
0.000	
0.000	
0.000	

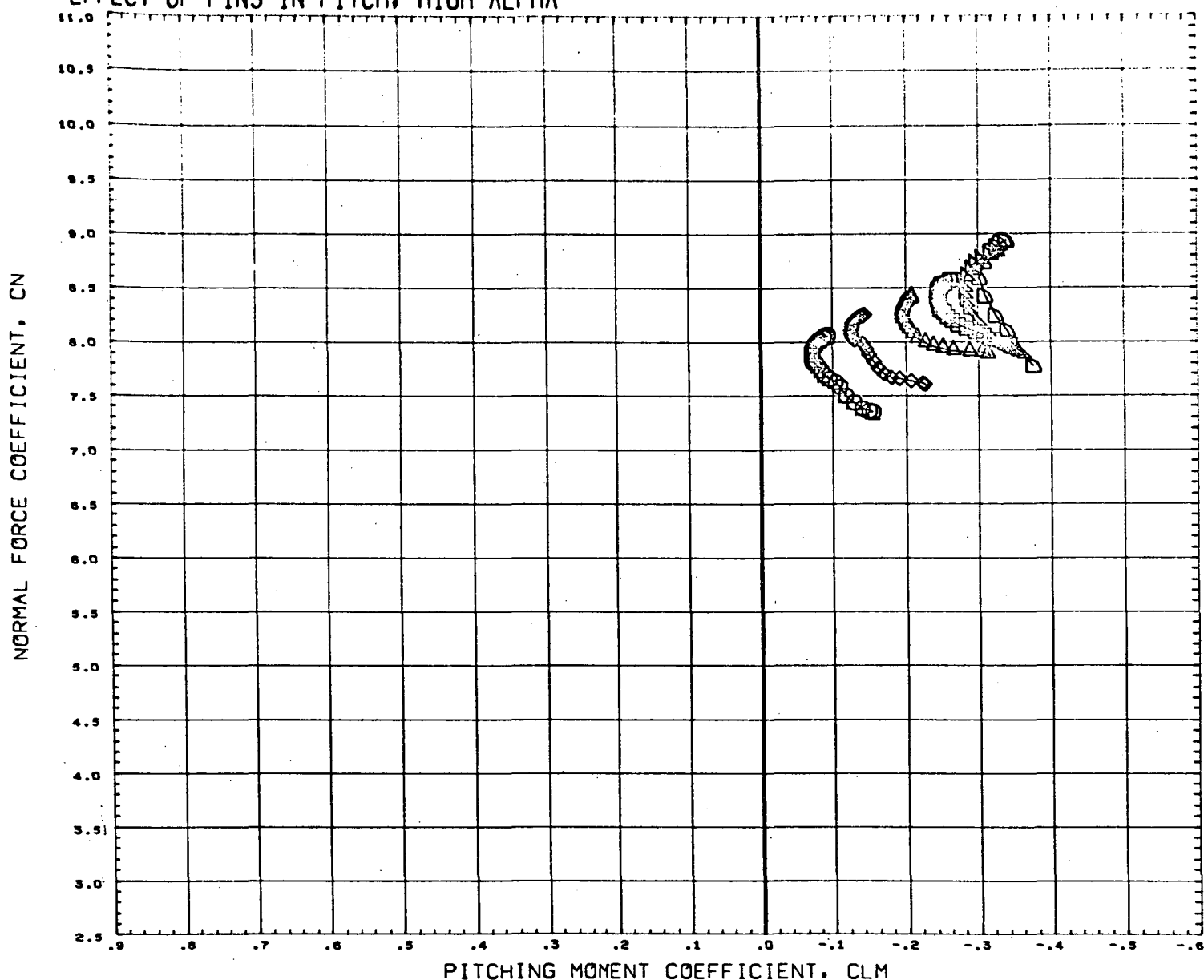
REFERENCE INFORMATION		
SREF	9.7500	50 IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# EFFECT OF FINS IN PITCH, HIGH ALPHA

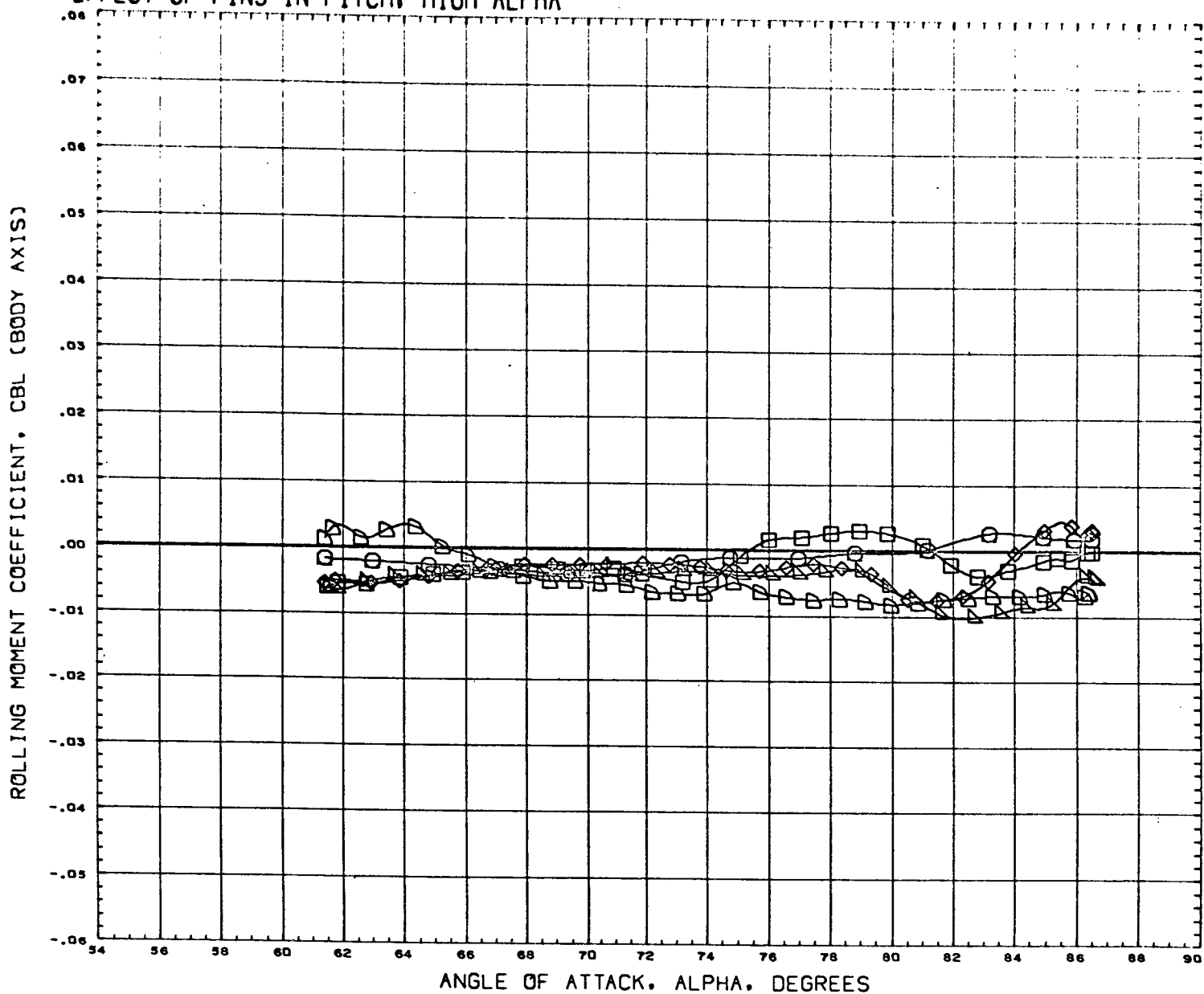


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V8	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9B	0.000		XMRP 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9C	0.000		YMRP 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9D	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(WD9602)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D

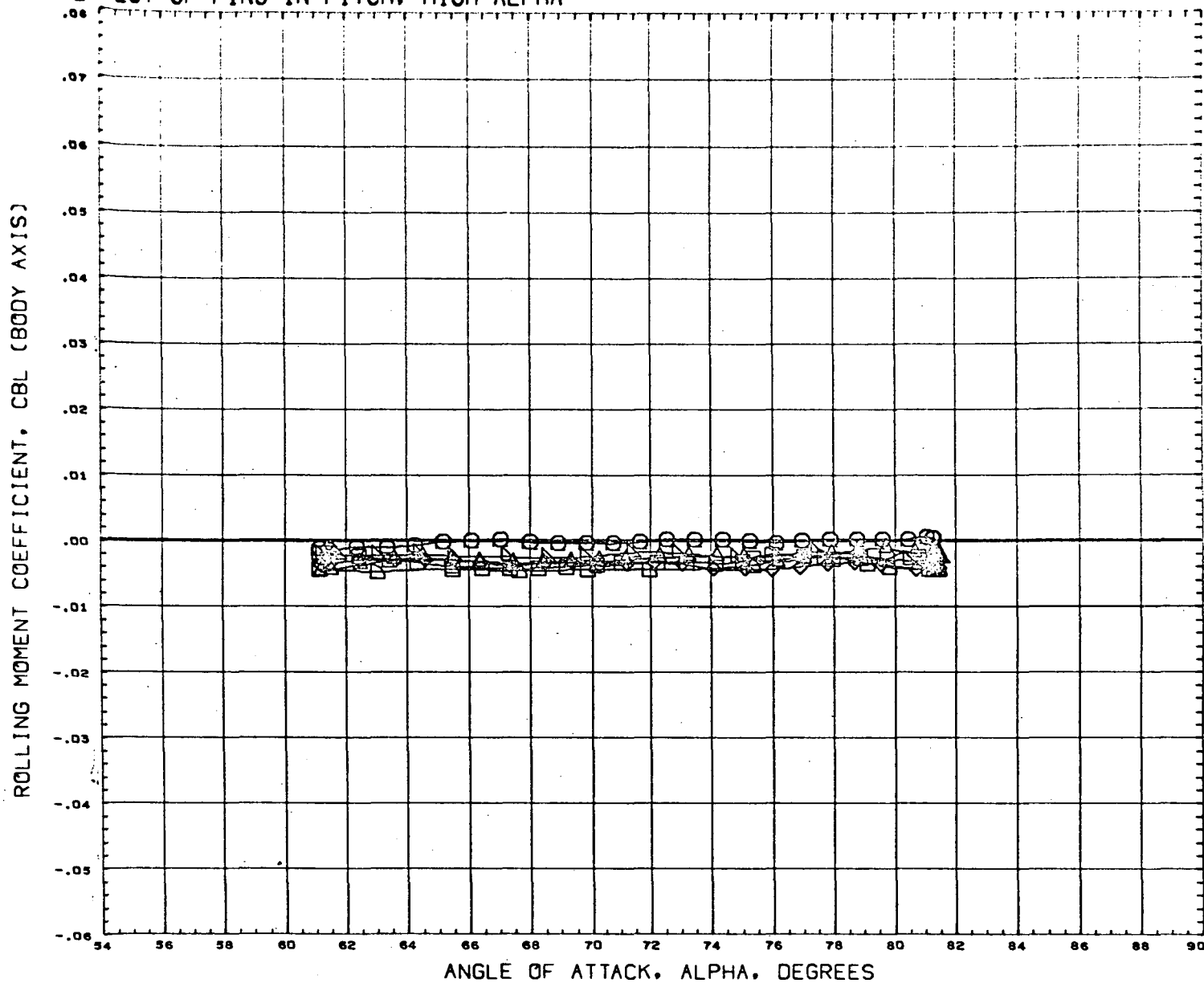
BETA	DELTAV
0.000	0.000
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.60

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# EFFECT OF FINS IN PITCH. HIGH ALPHA

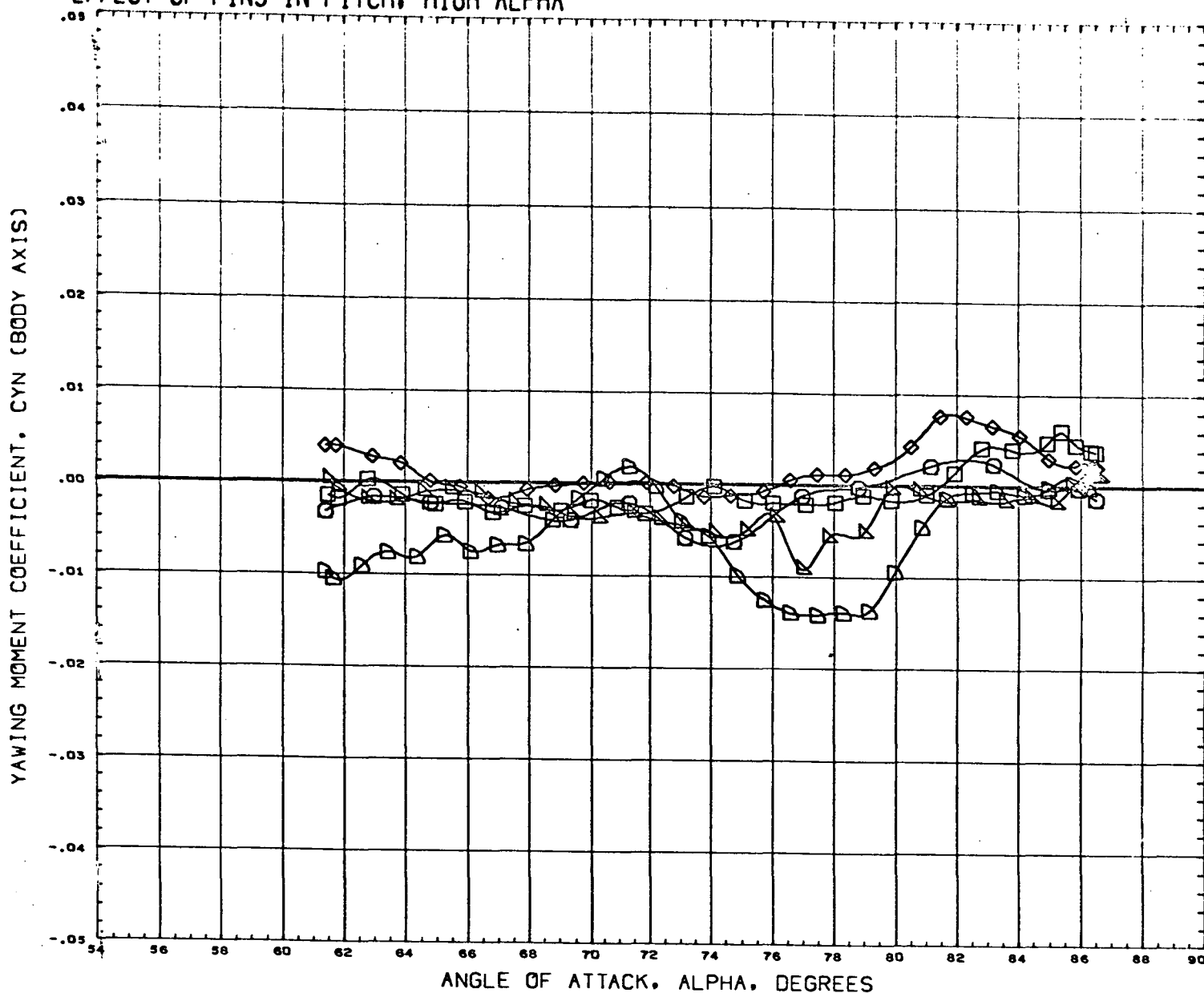


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V8	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		XMRP 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRP 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.51

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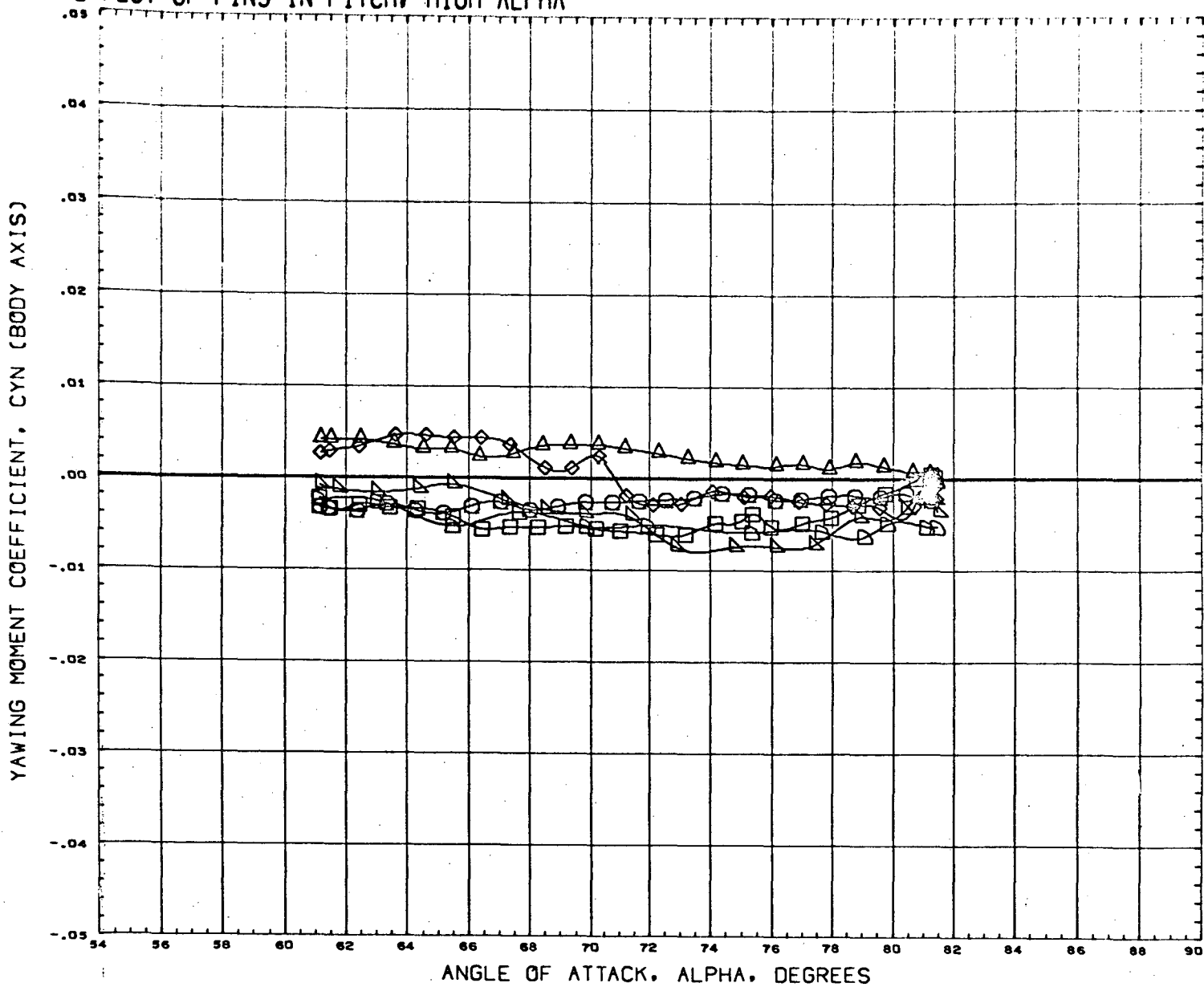
# EFFECT OF FINS IN PITCH, HIGH ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF	9.7500 SQ. IN.
(WD8602)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF	14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		XMRP	0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRP	0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.60

# EFFECT OF FINS IN PITCH, HIGH ALPHA

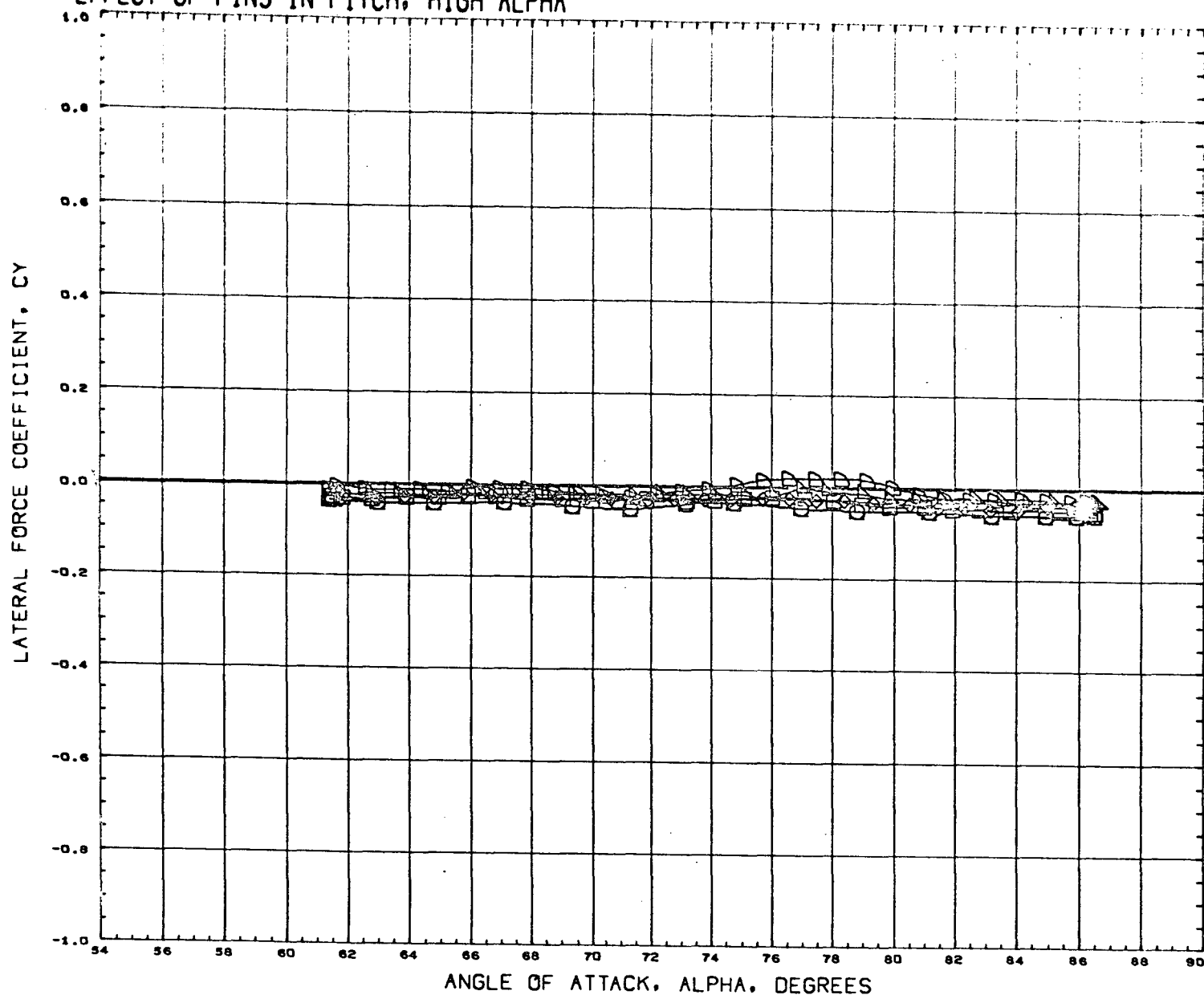


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V8	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		XMRP 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRP 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, HIGH ALPHA

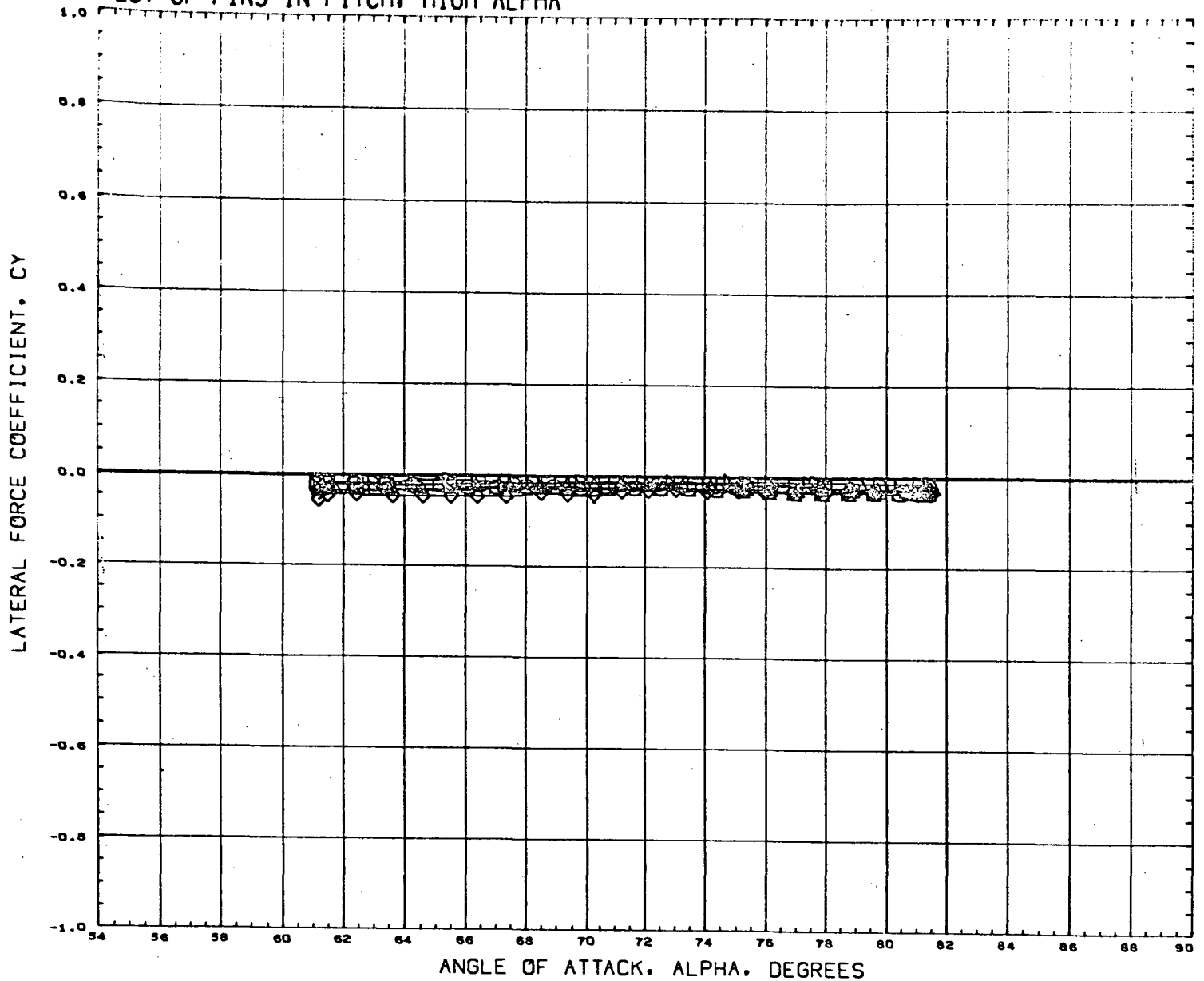


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		XMRP 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRP 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 1.60

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# EFFECT OF FINS IN PITCH, HIGH ALPHA

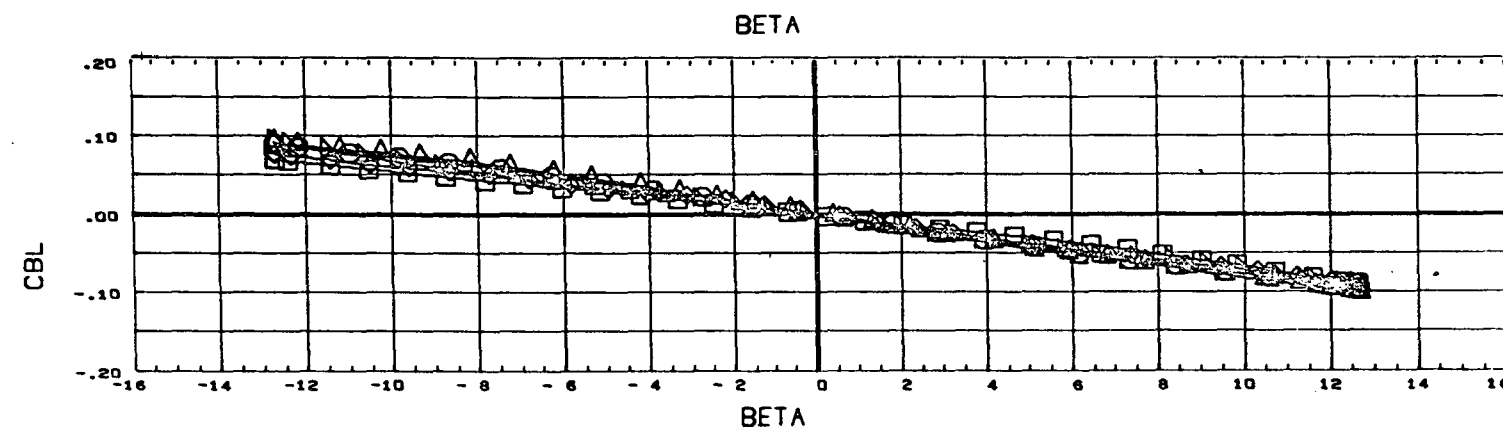
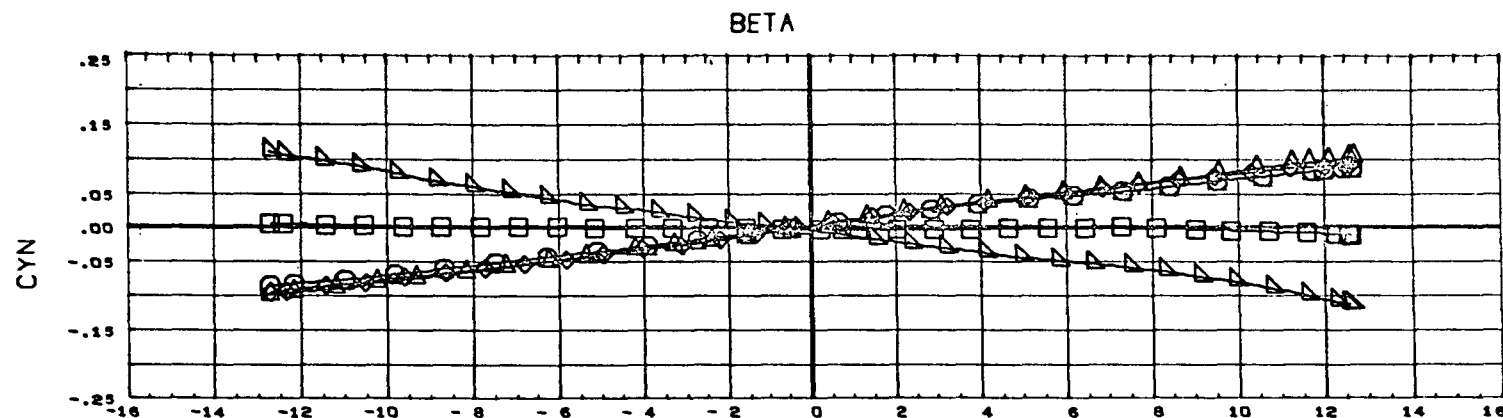
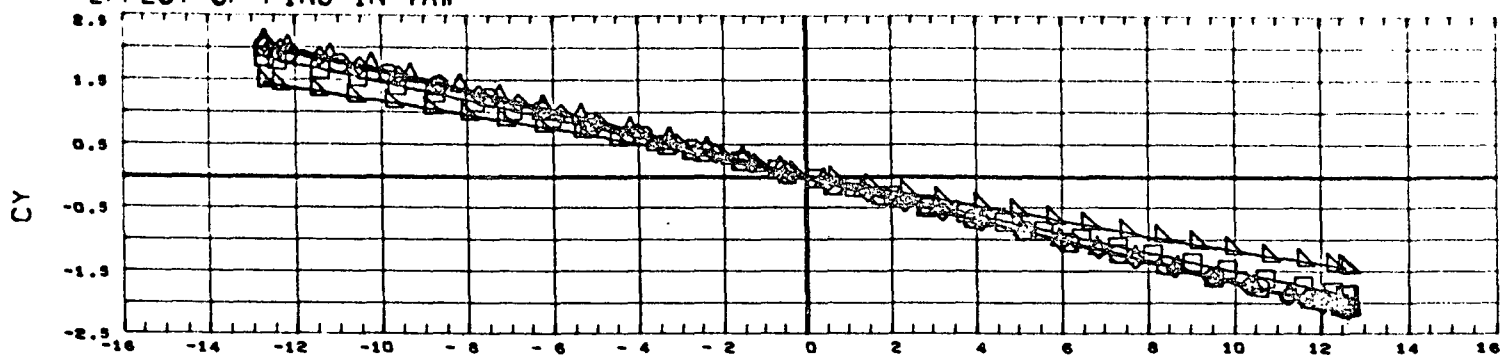


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8602)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V8	0.000		LREF 14.6830 INCHES
(WD8612)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	0.000		BREF 14.6830 INCHES
(RD8622)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	0.000		XMRP 0.6000 LBODY
(WD8632)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	0.000		YMRP 0.0000 INCHES
(RD8642)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN YAW

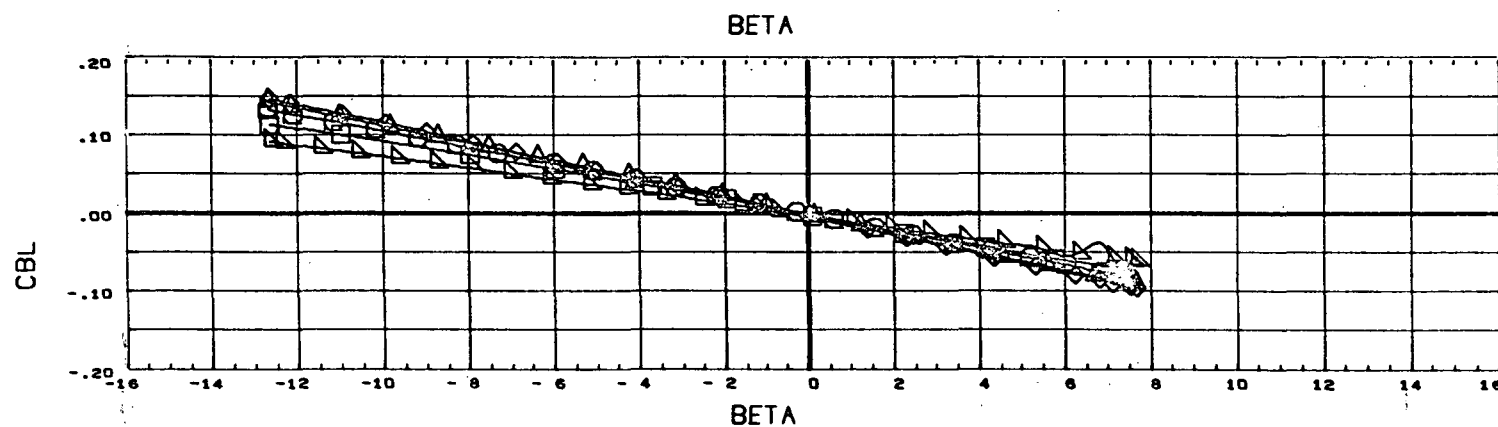
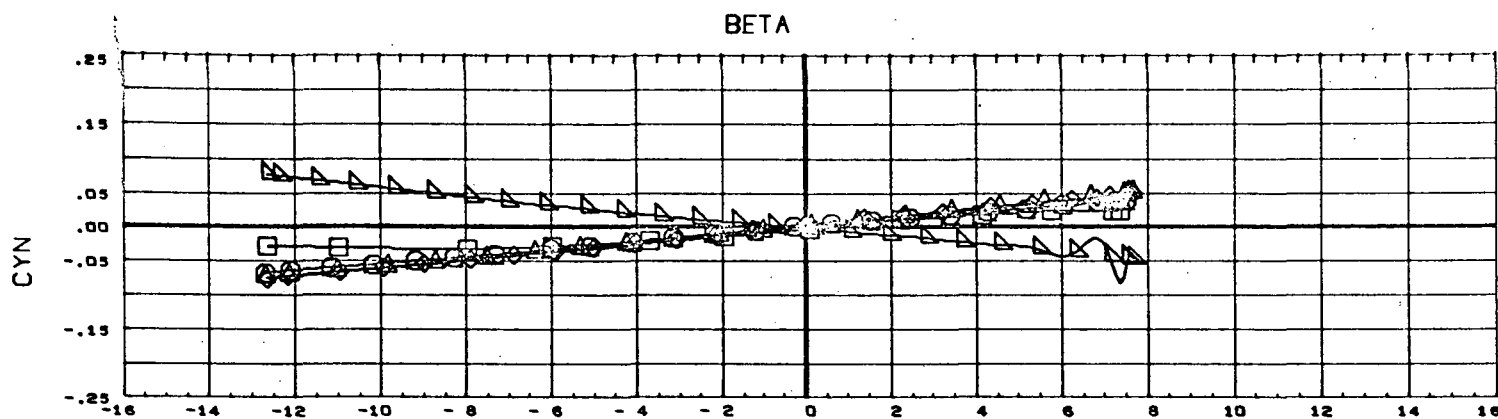
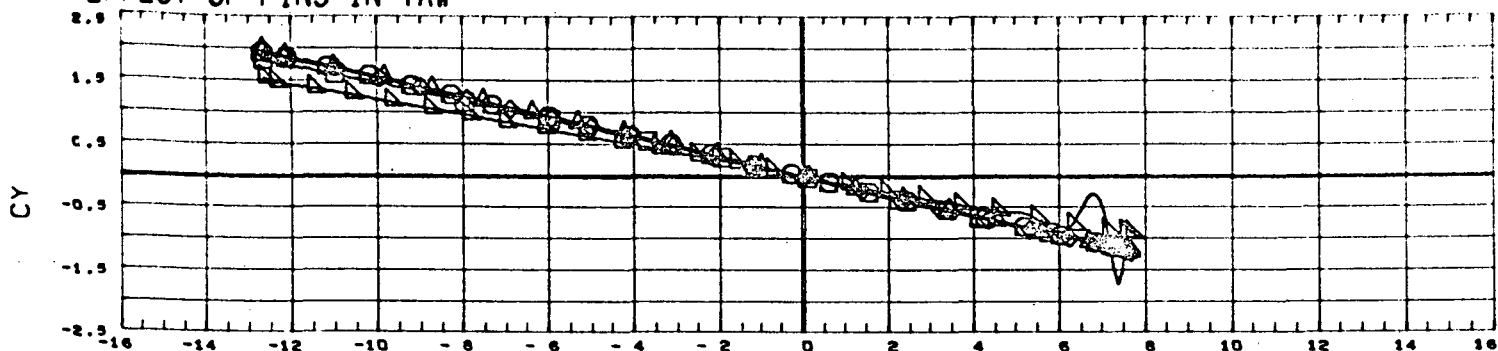


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(B08597)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	72.500	0.000	SREF 9.7500 SQ. IN.
(R08617)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A	72.500		LREF 14.6830 INCHES
(R08627)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B	72.500		BREF 14.6830 INCHES
(R08637)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C	72.500		YMRP 0.6000 LBODY
(R08647)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D	72.500		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.60



# EFFECT OF FINS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD9507)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(RD8617)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9A
(RD8627)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9B
(RD8637)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9C
(RD8647)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9D

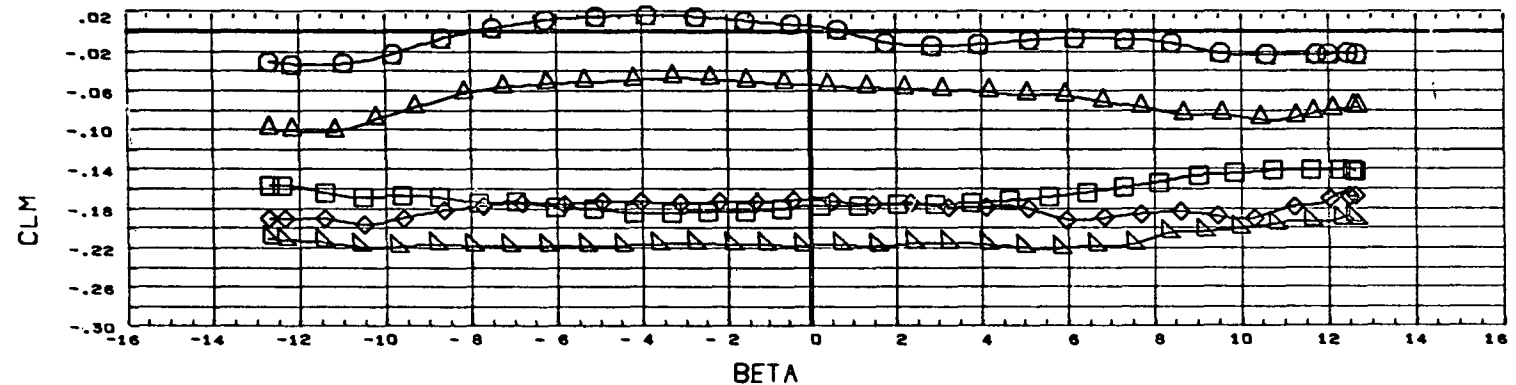
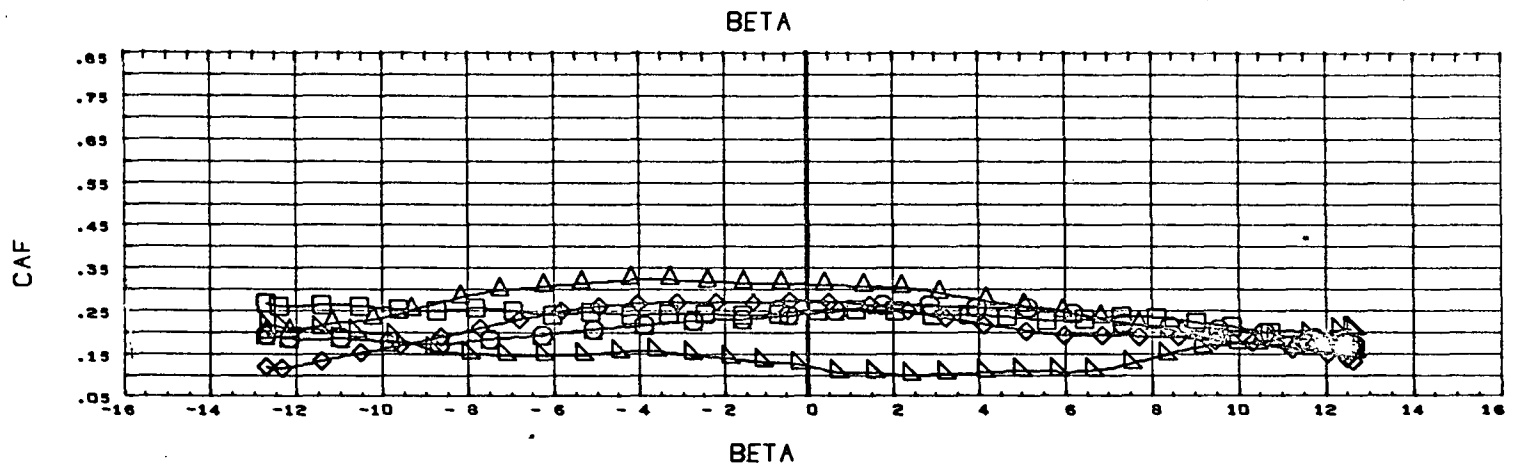
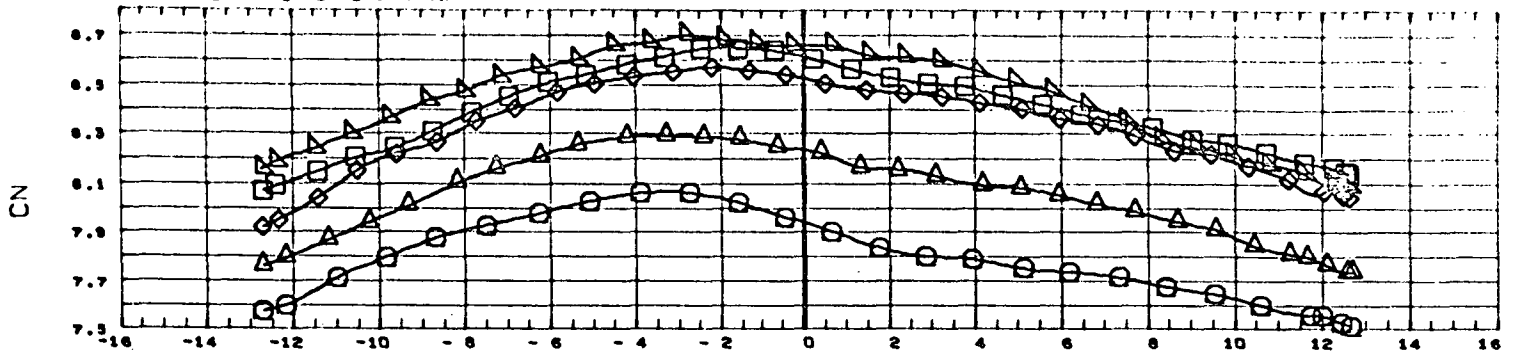
ALPHA	DELTAV
72.500	0.000
72.500	
72.500	
72.500	
72.500	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF FINS IN YAW

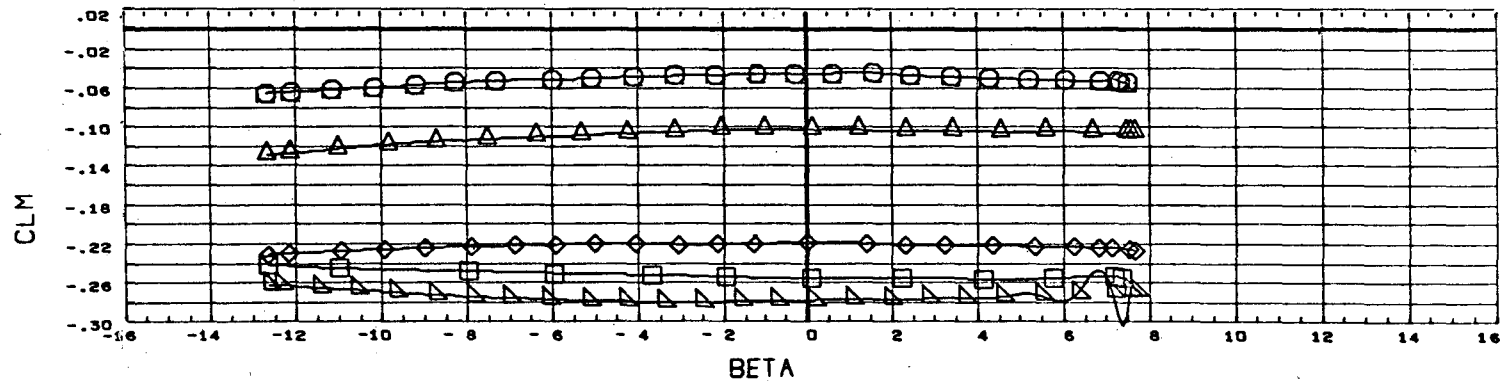
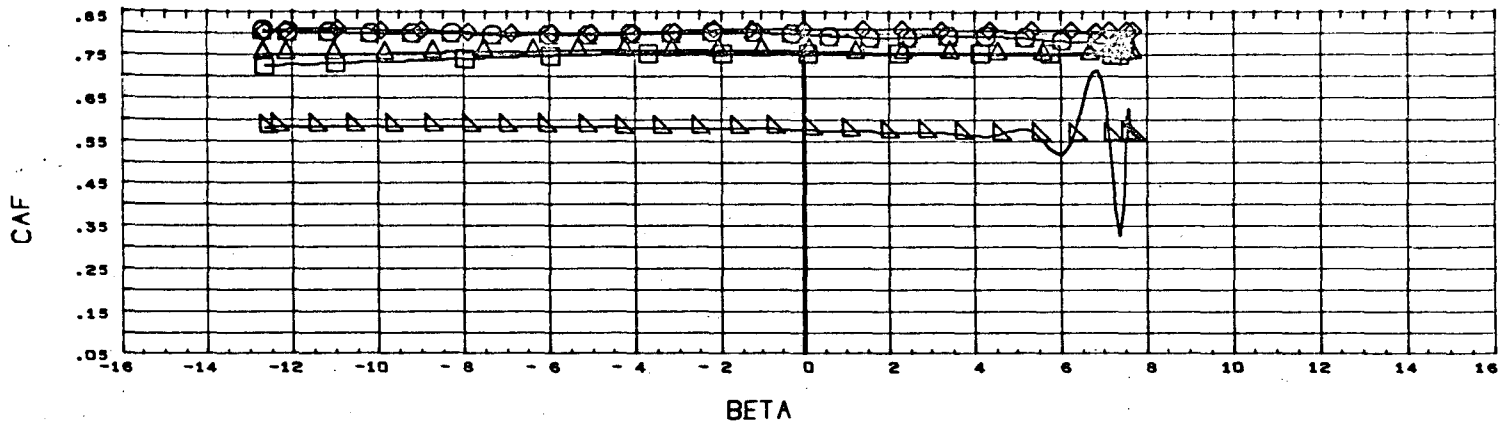
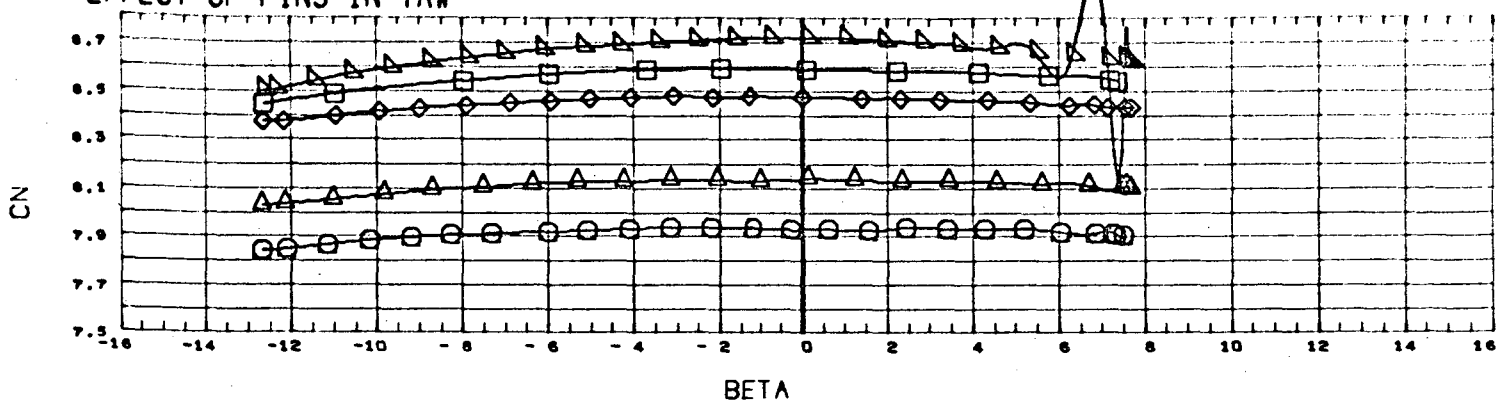


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(BD8507)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	72.500	0.000	SREF 9.7500 SQ. IN.
(RD8617)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9A	72.500		LREF 14.6830 INCHES
(RD8627)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9B	72.500		BREF 14.6830 INCHES
(RD8637)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9C	72.500		YMRP 0.6000 LBODY
(RD8647)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V9D	72.500		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.60

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# EFFECT OF FINS IN YAW



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BD8507)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F
(RD8617)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9A
(RD8627)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9B
(RD8637)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9C
(RD8647)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9D

ALPHA	DELTAV
72.500	0.000
72.500	
72.500	
72.500	
72.500	

REFERENCE INFORMATION

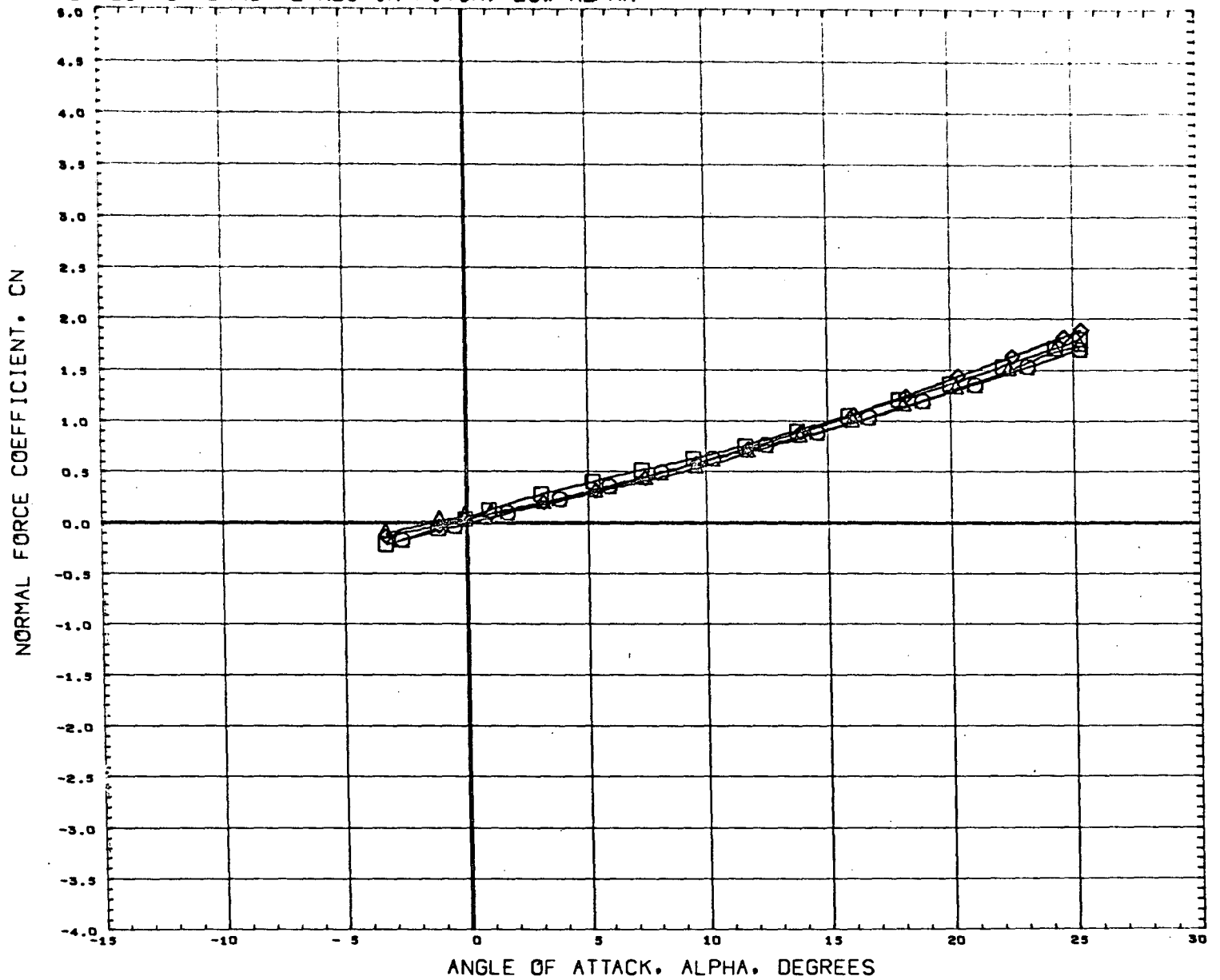
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH

3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.3

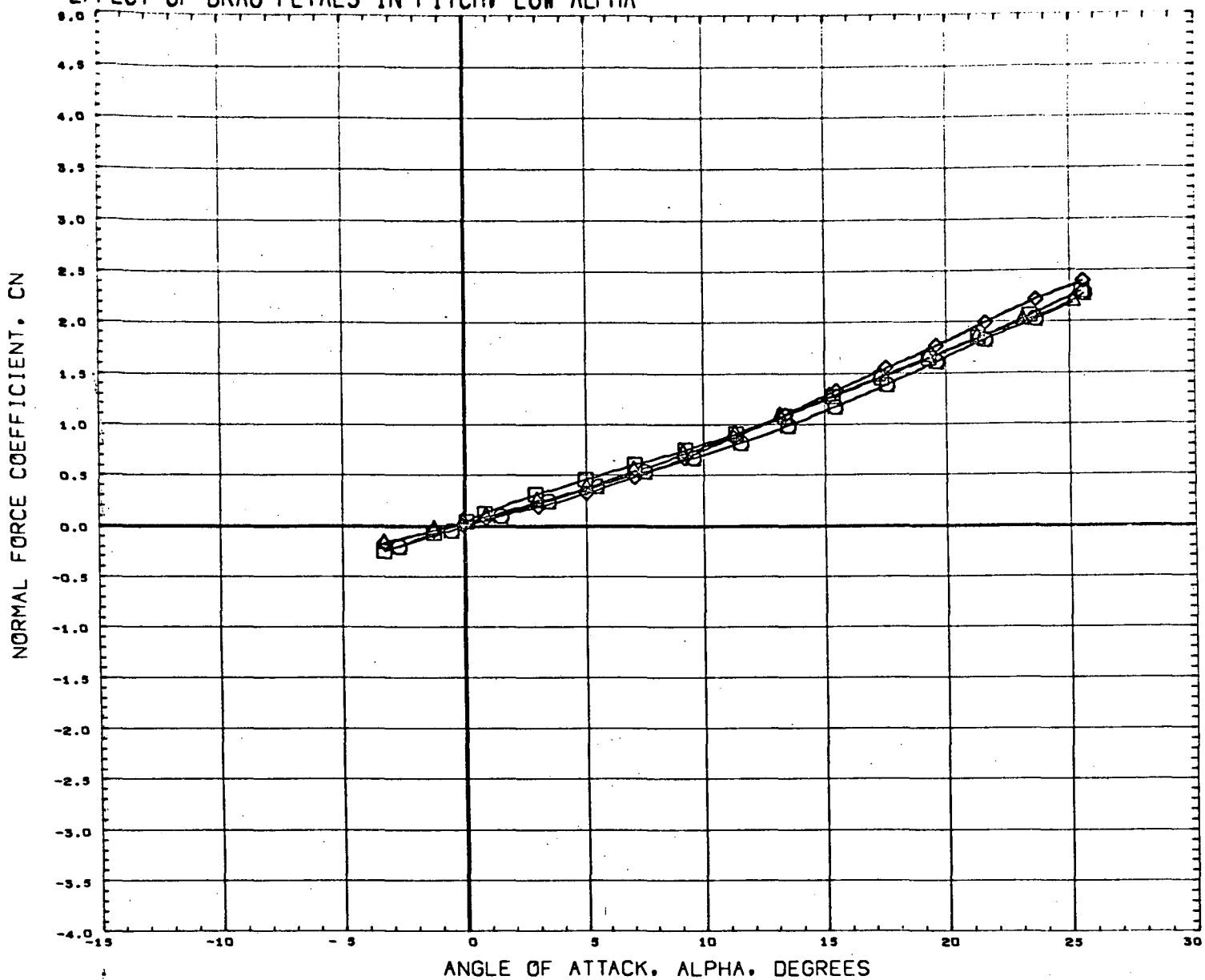
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LB/COY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8999	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(AD8051)	△	BTWT 1282/BSWT 557 PR-FED BRB B5S305
(AD8111)	◇	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1
(AD8171)	□	BTWT 1282/BSWT 557 PR-FED BRB B5S305.3

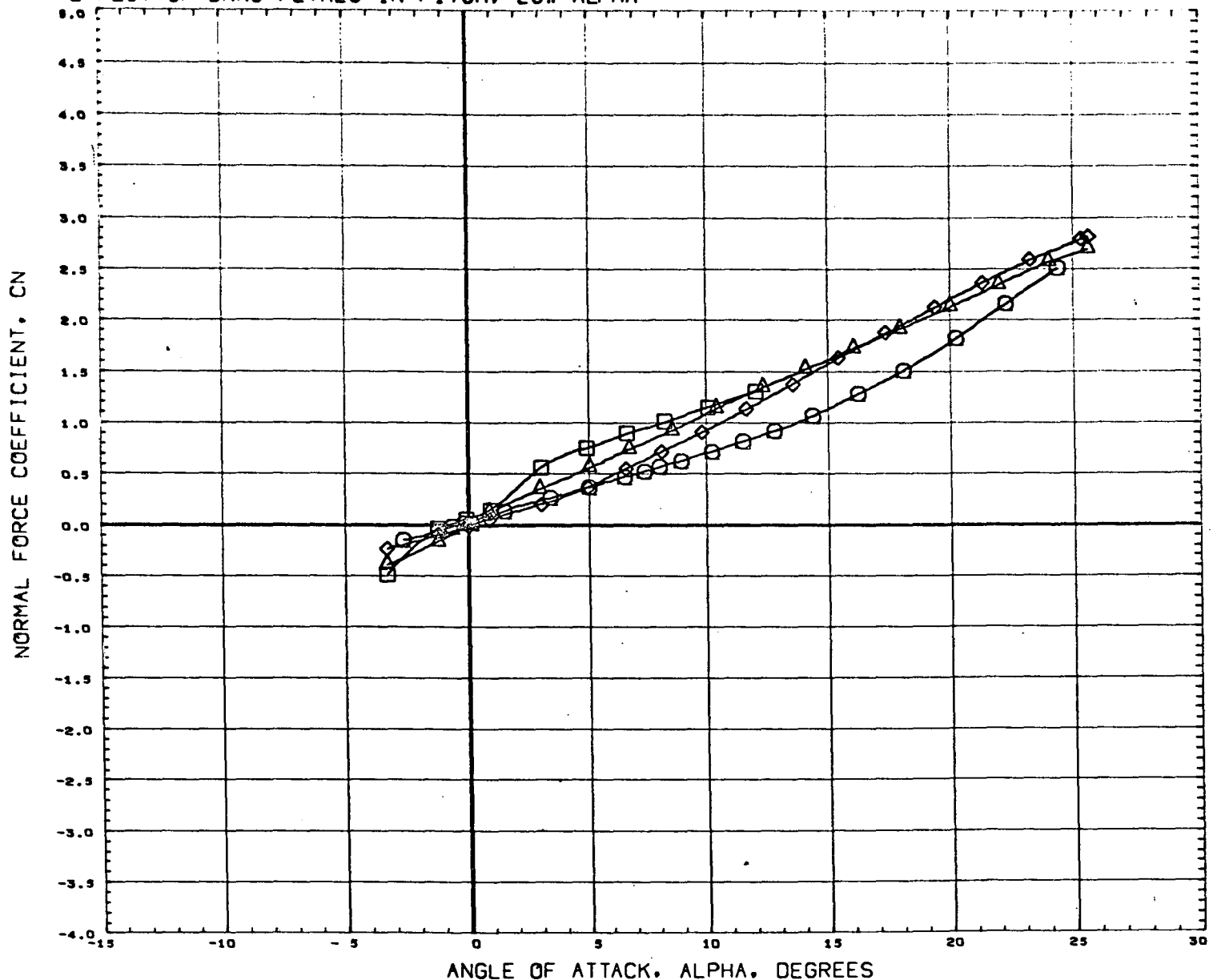
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6930 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH .90

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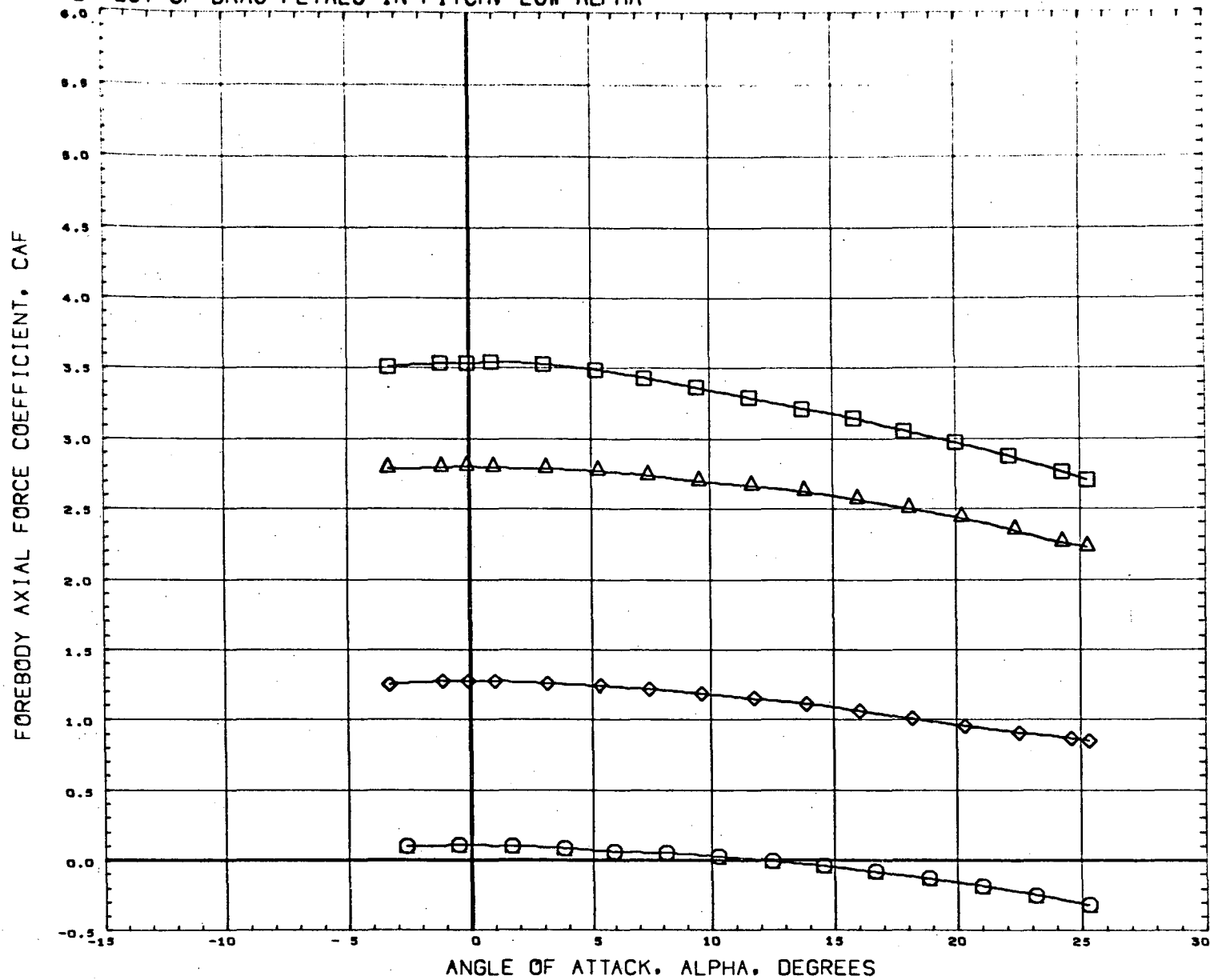
# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000		LREF 14.6830 INCHES
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1	0.000		BREF 14.6830 INCHES
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.05

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(AD9051)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5.1
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5.3

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

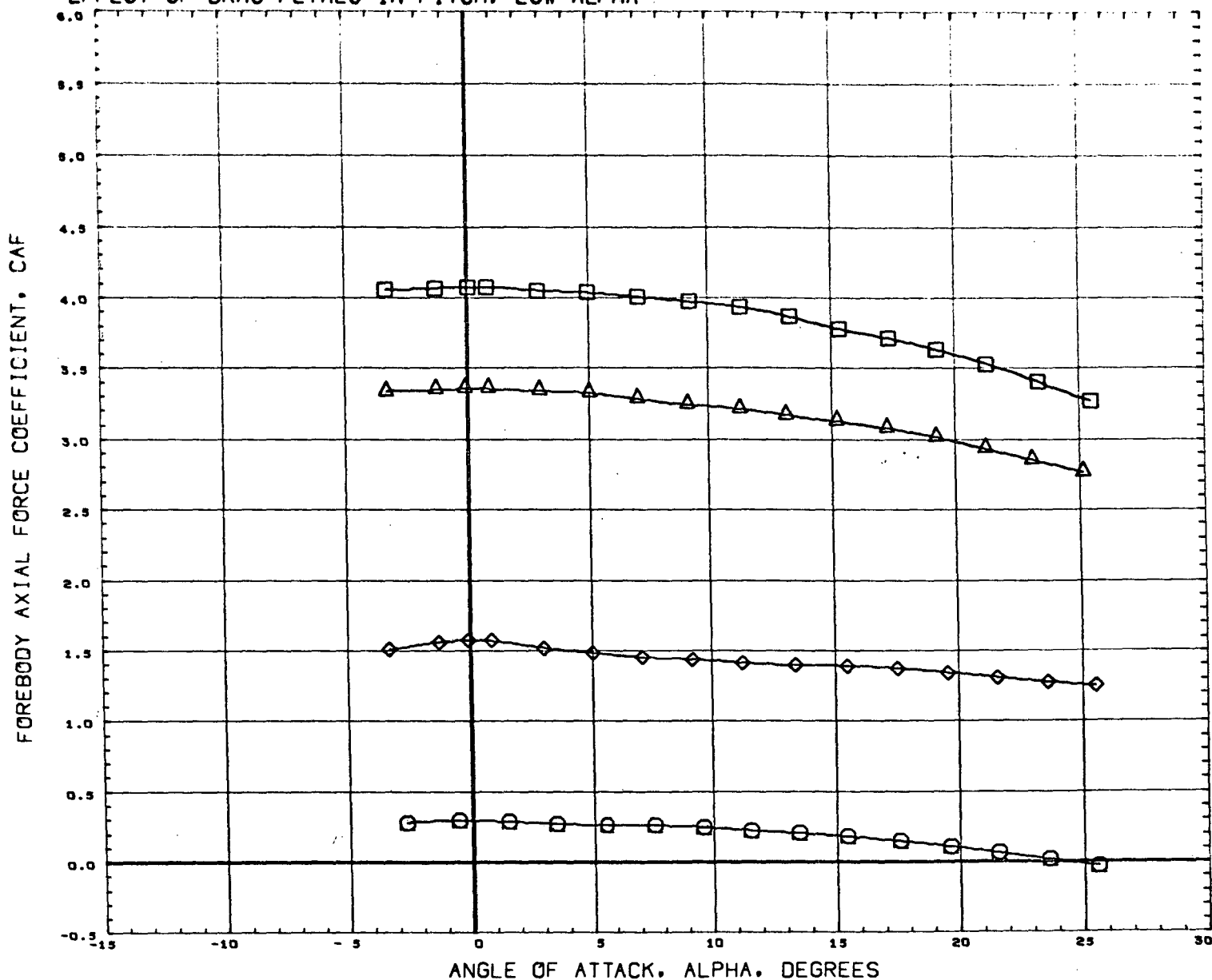
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH

.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

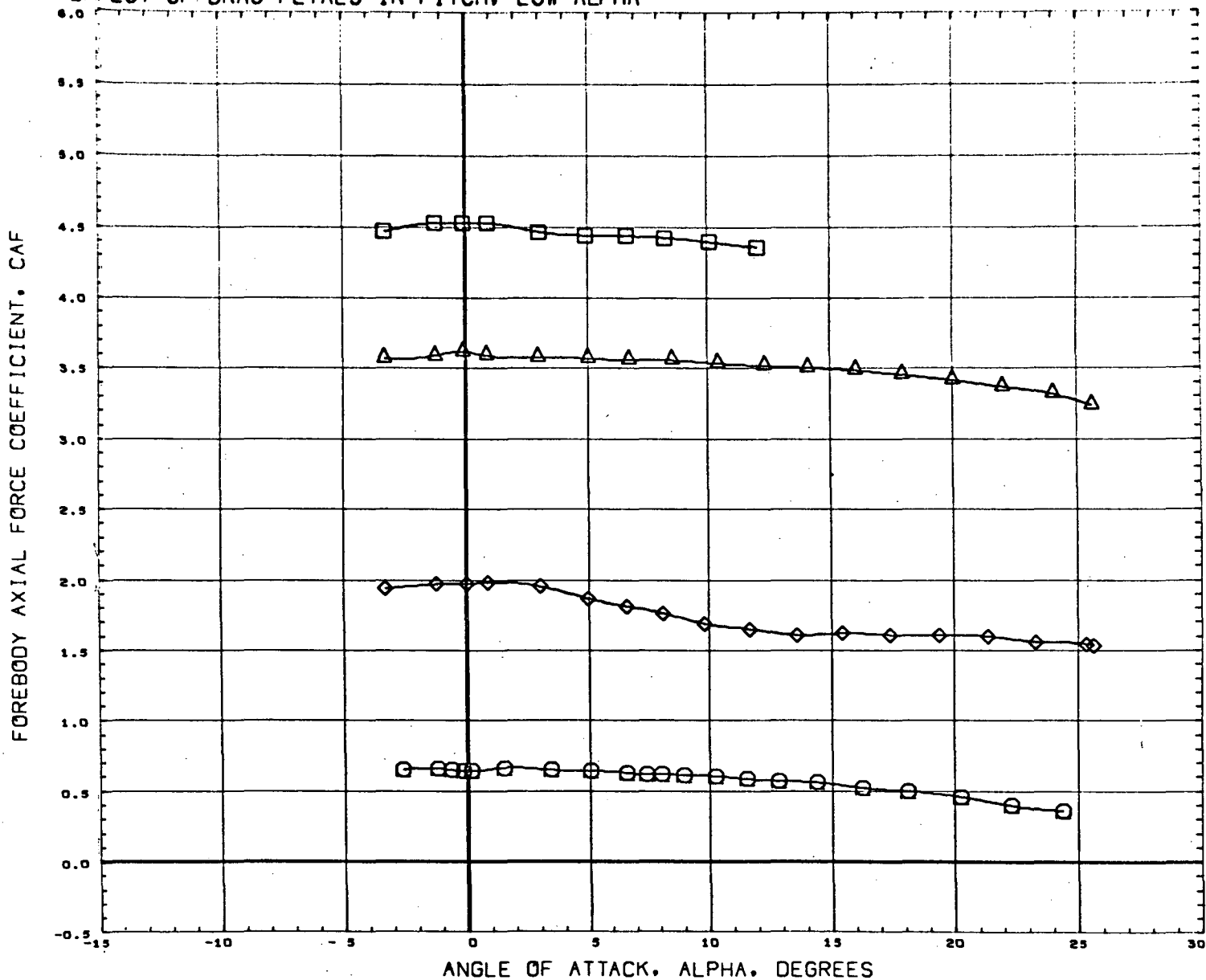


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRD B5S3	0.000		SREF 9.7500 SQ. IN.
(AD9051)	BTWT 1282/BSWT 557 PR-FED BRD B5S3D5	0.000		LREF 14.6830 INCHES
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRD B5S3D5.1	0.000		BREF 14.6830 INCHES
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRD B5S3D5.3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH .90



# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8001)	BTWT 1282/BSWT 557	PR-FED BRB	B553
(AD8051)	BTWT 1282/BSWT 557	PR-FED BRB	B55305
(AD8111)	BTWT 1282/BSWT 557	PR-FED BRB	B55305.1
(AD8171)	BTWT 1282/BSWT 557	PR-FED BRB	B55305.3

BETA DELTAV

0.000
0.000
0.000
0.000

REFERENCE INFORMATION

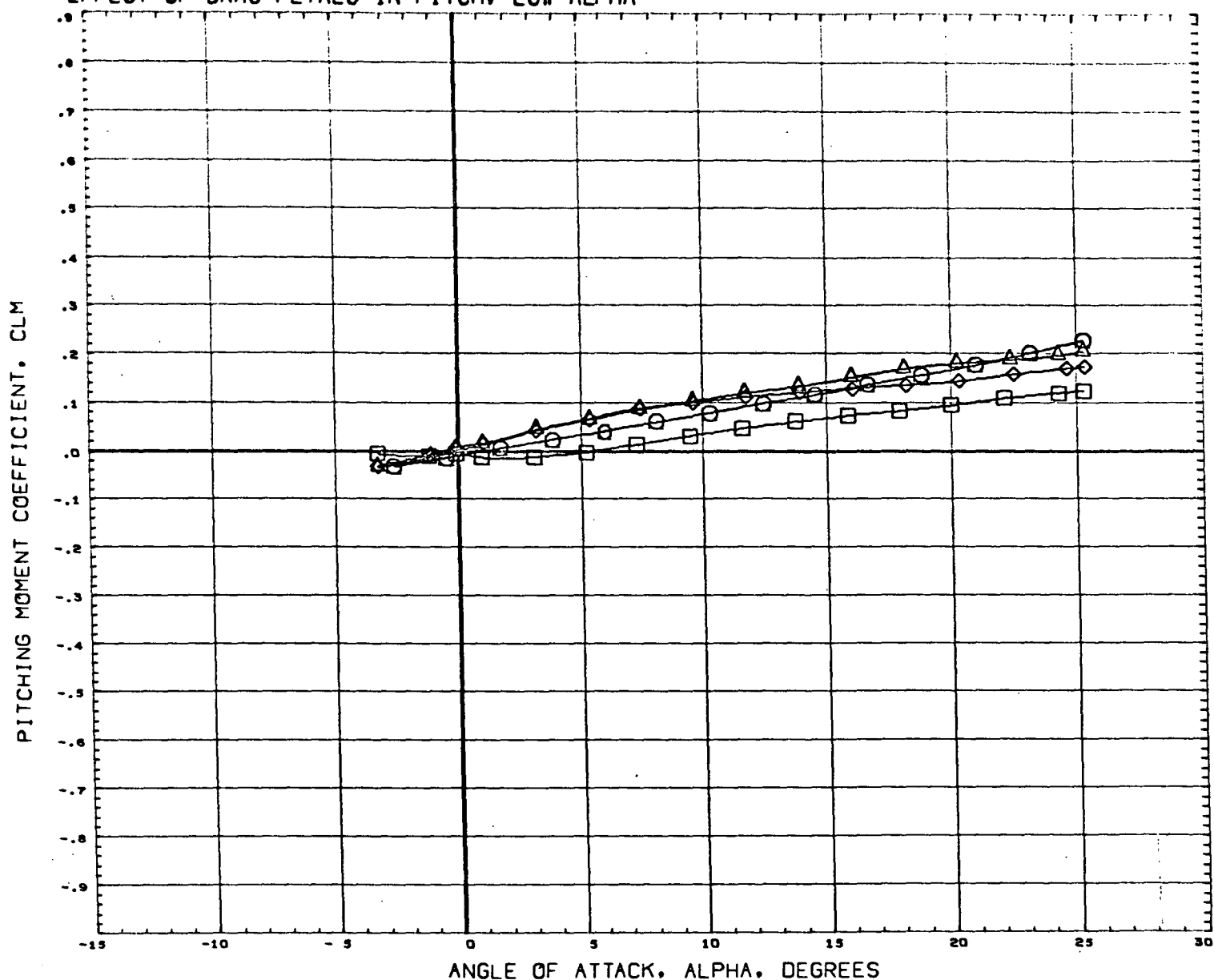
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH

1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



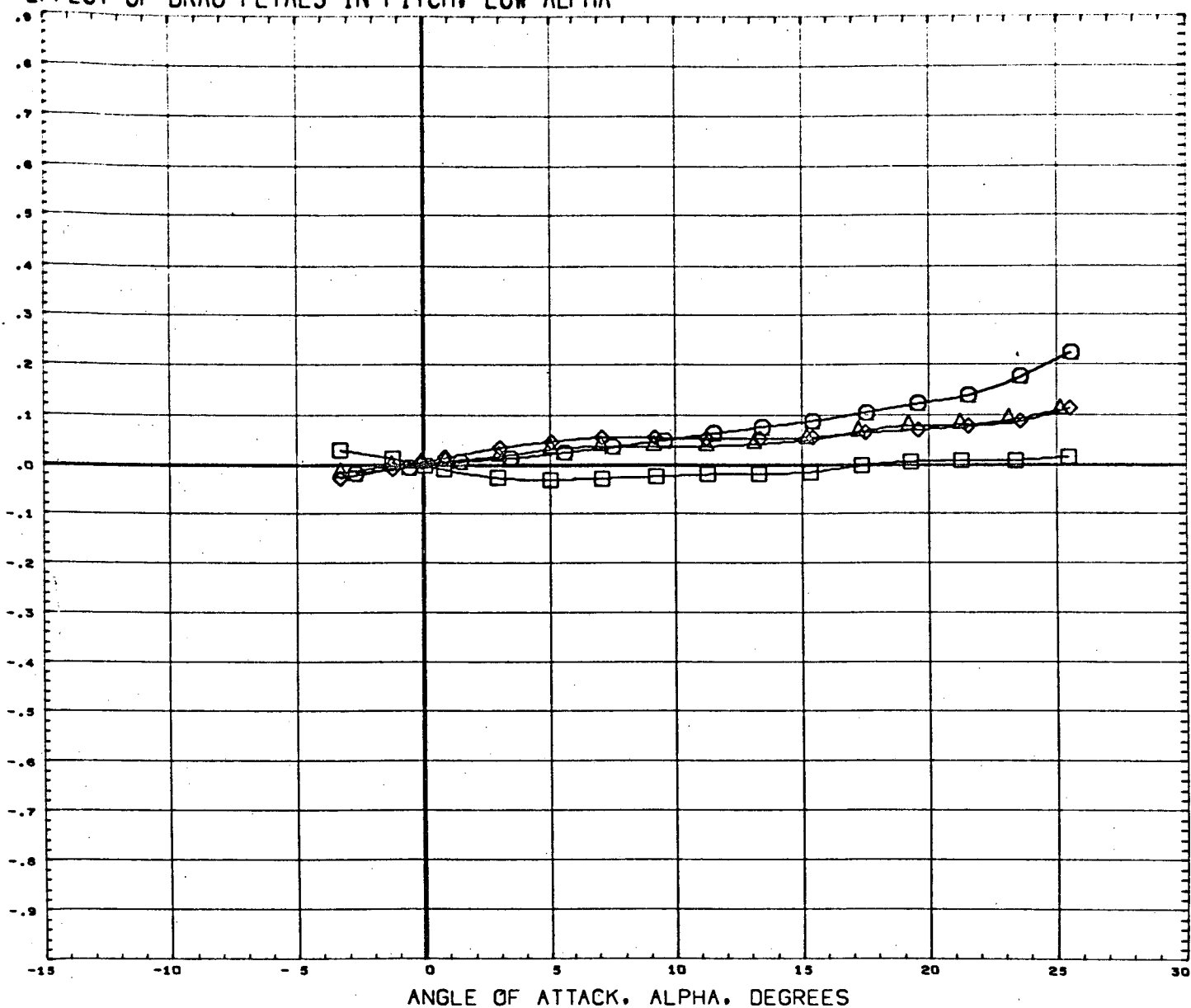
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF 9.7500 SQ. IN.
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		LREF 14.6830 INCHES
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.1	0.000		BREF 14.6830 INCHES
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM

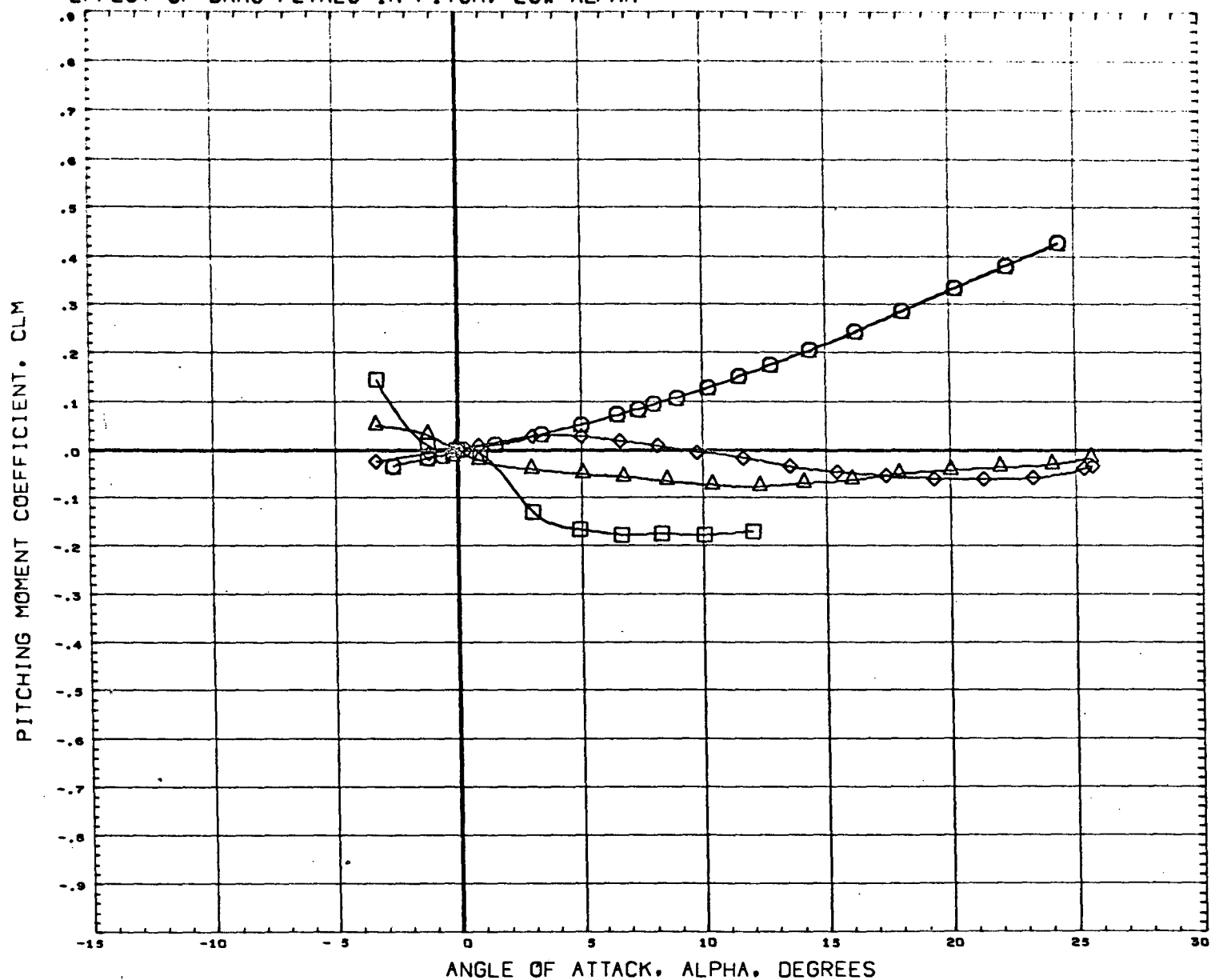


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(A09001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(A09051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000		LREF 14.6830 INCHES
(A09111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1	0.000		BREF 14.6830 INCHES
(A08171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB BSS3
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D5
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D5.1
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D5.3

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

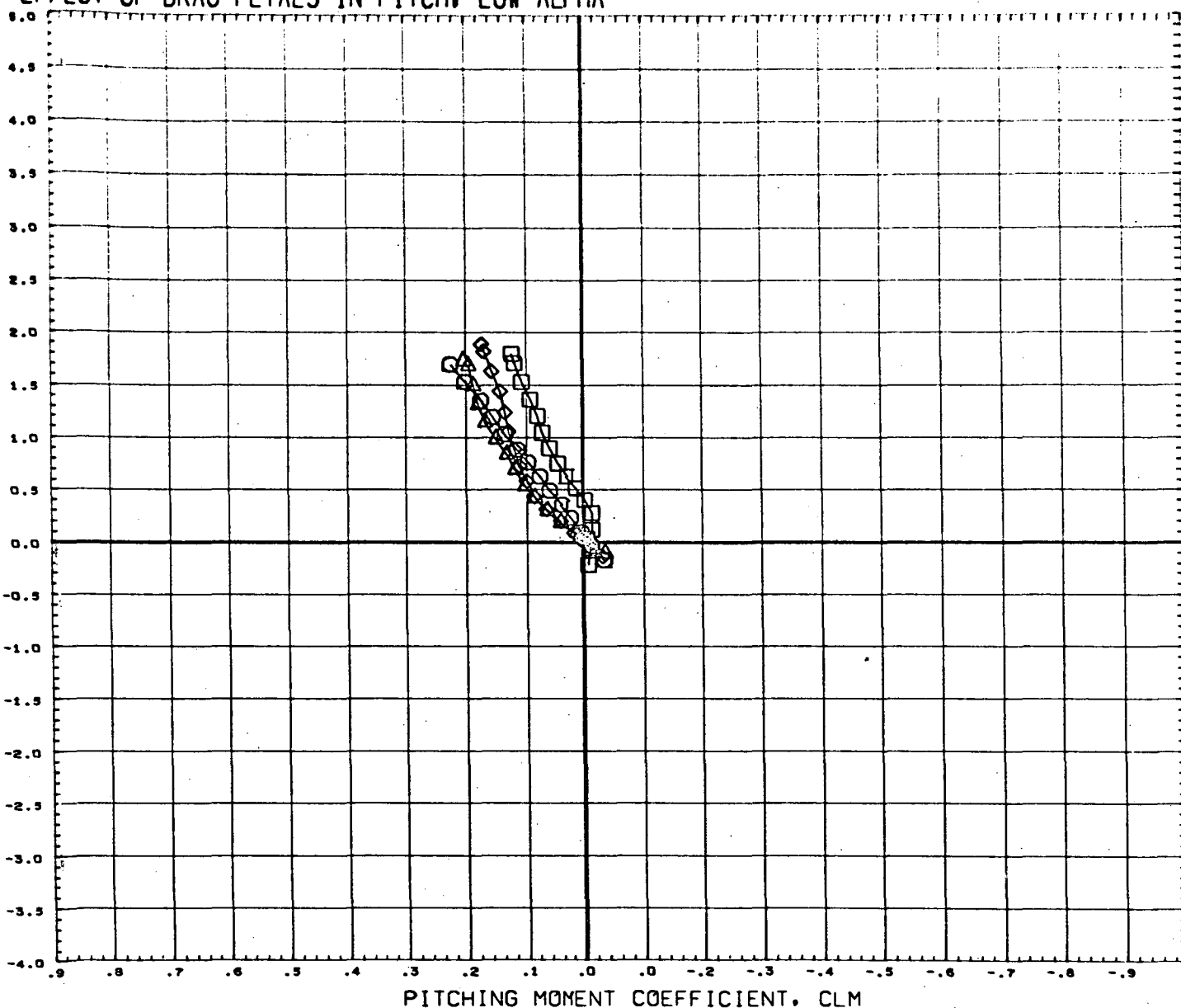
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LB/ODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

NORMAL FORCE COEFFICIENT, CN



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3

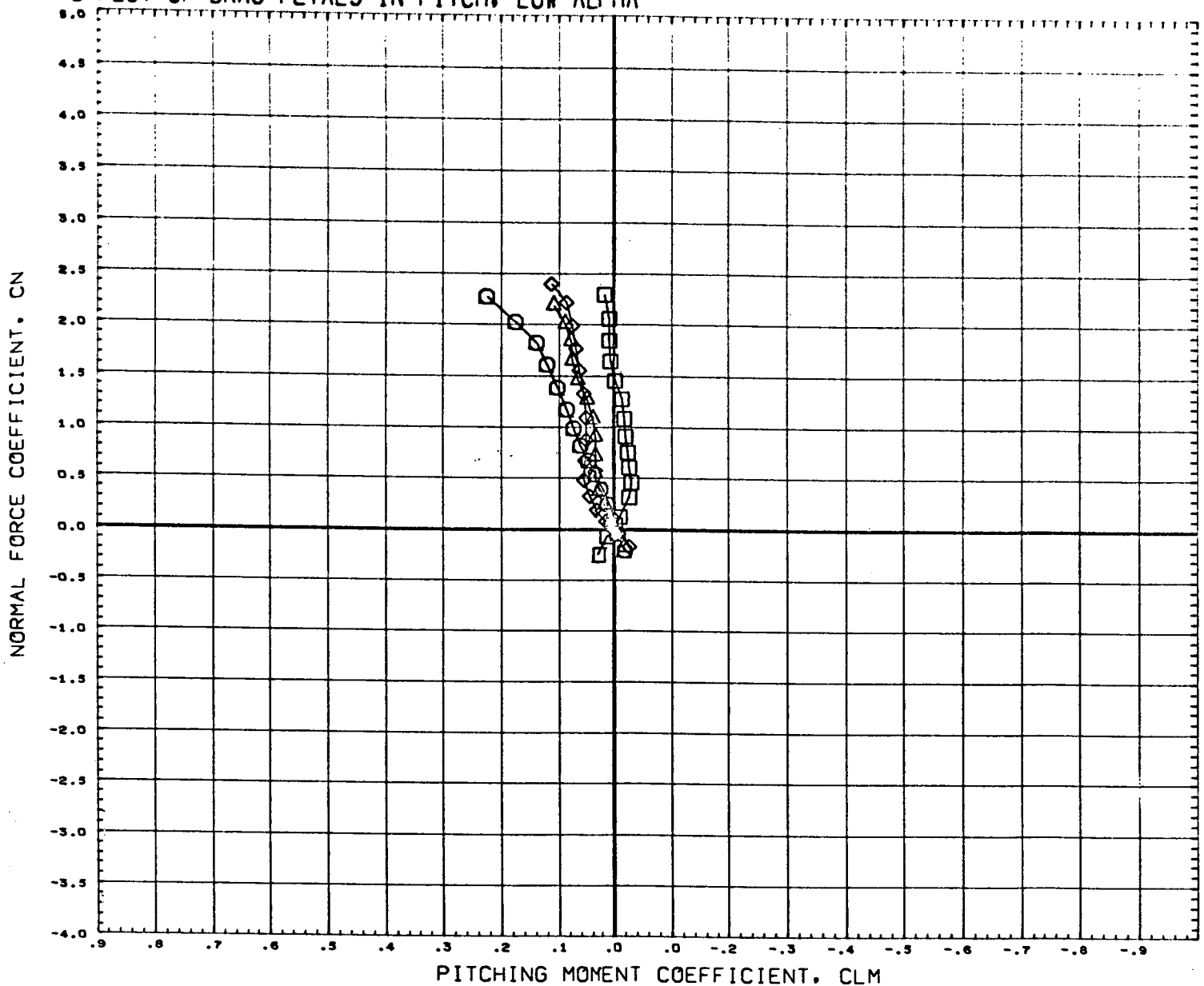
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

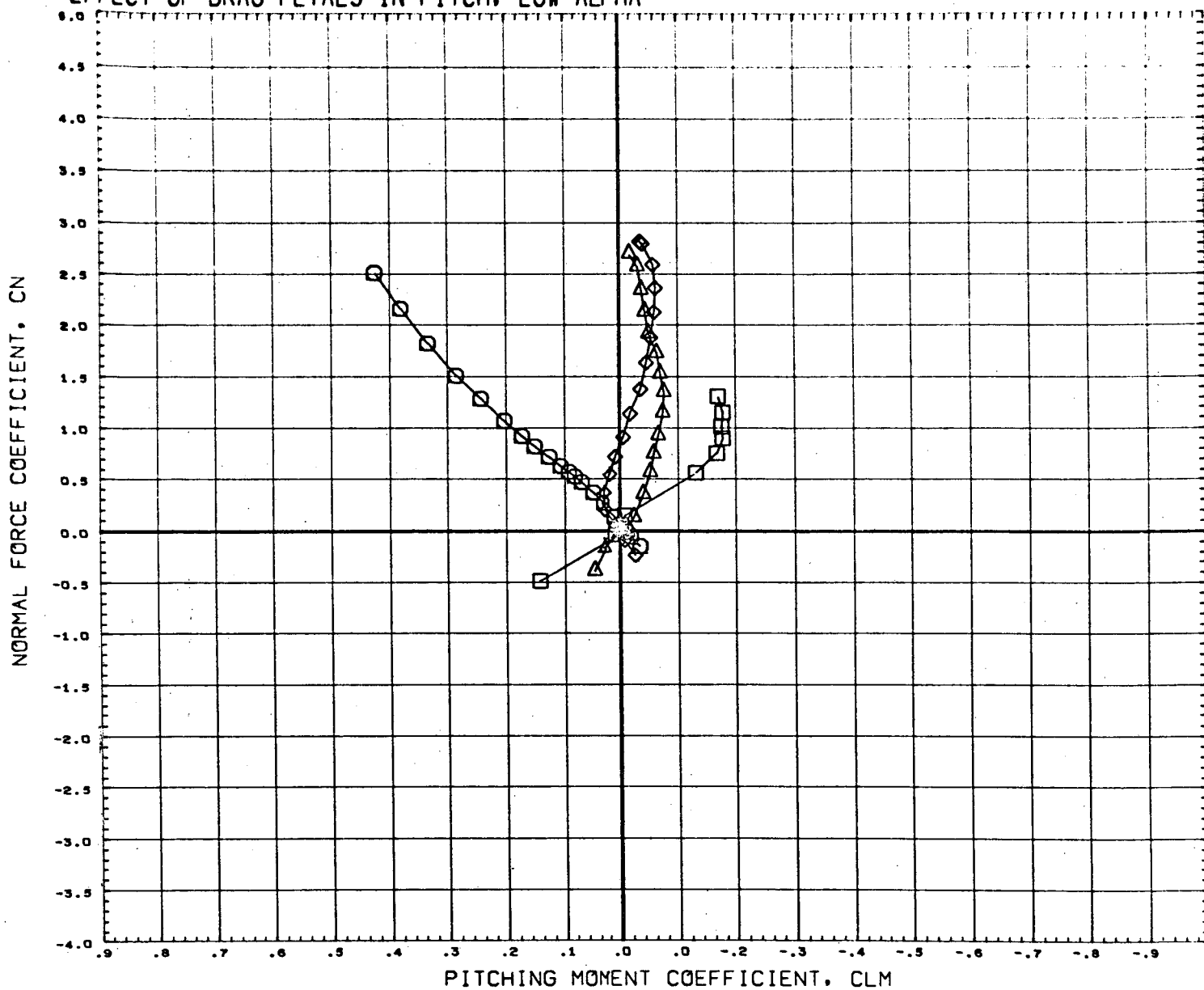


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(A09001)	○	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF	9.7500 SQ. IN.
(A09051)	△	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		LREF	14.6830 INCHES
(A09111)	◇	BTWT 1282/BSWT 557 PR-FED BRB 85S305.1	0.000		BREF	14.6830 INCHES
(A09171)	□	BTWT 1282/BSWT 557 PR-FED BRB 85S305.3	0.000		XMRF	0.6000 LB00Y
					YMRF	0.0000 INCHES
					ZMRF	0.0000 INCHES
					SCALE	0.8899 PERCNT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

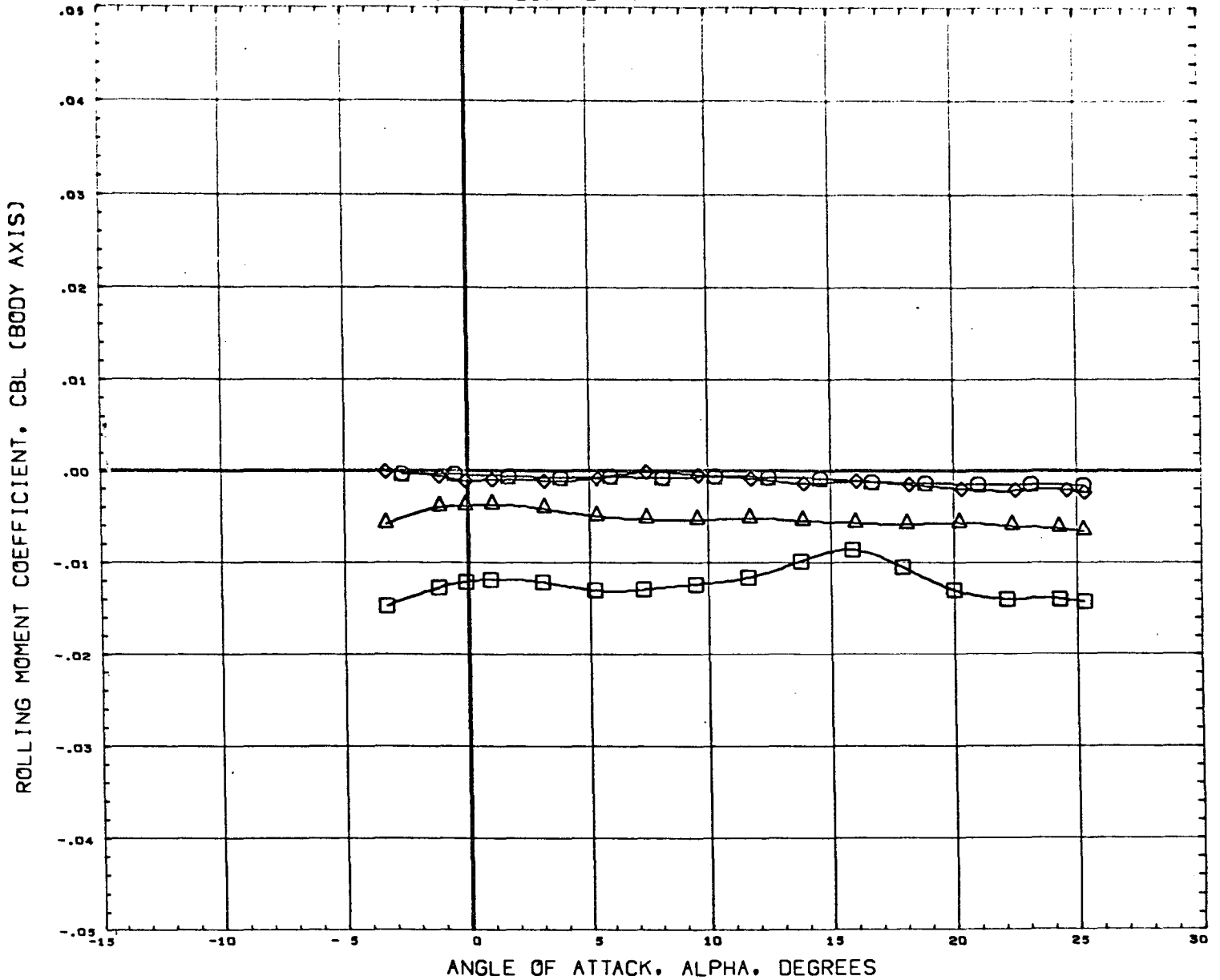


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		LREF 14.6830 INCHES
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1	0.000		BREF 14.6830 INCHES
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(A08001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		SREF 9.7500 SQ. IN.
(A08051)	BTWT 1282/BSWT 557 PR-FED BRB 855305	0.000		LREF 14.6830 INCHES
(A08111)	BTWT 1282/BSWT 557 PR-FED BRB 855305.1	0.000		BREF 14.6830 INCHES
(A08171)	BTWT 1282/BSWT 557 PR-FED BRB 855305.3	0.000		XMRP 0.0000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

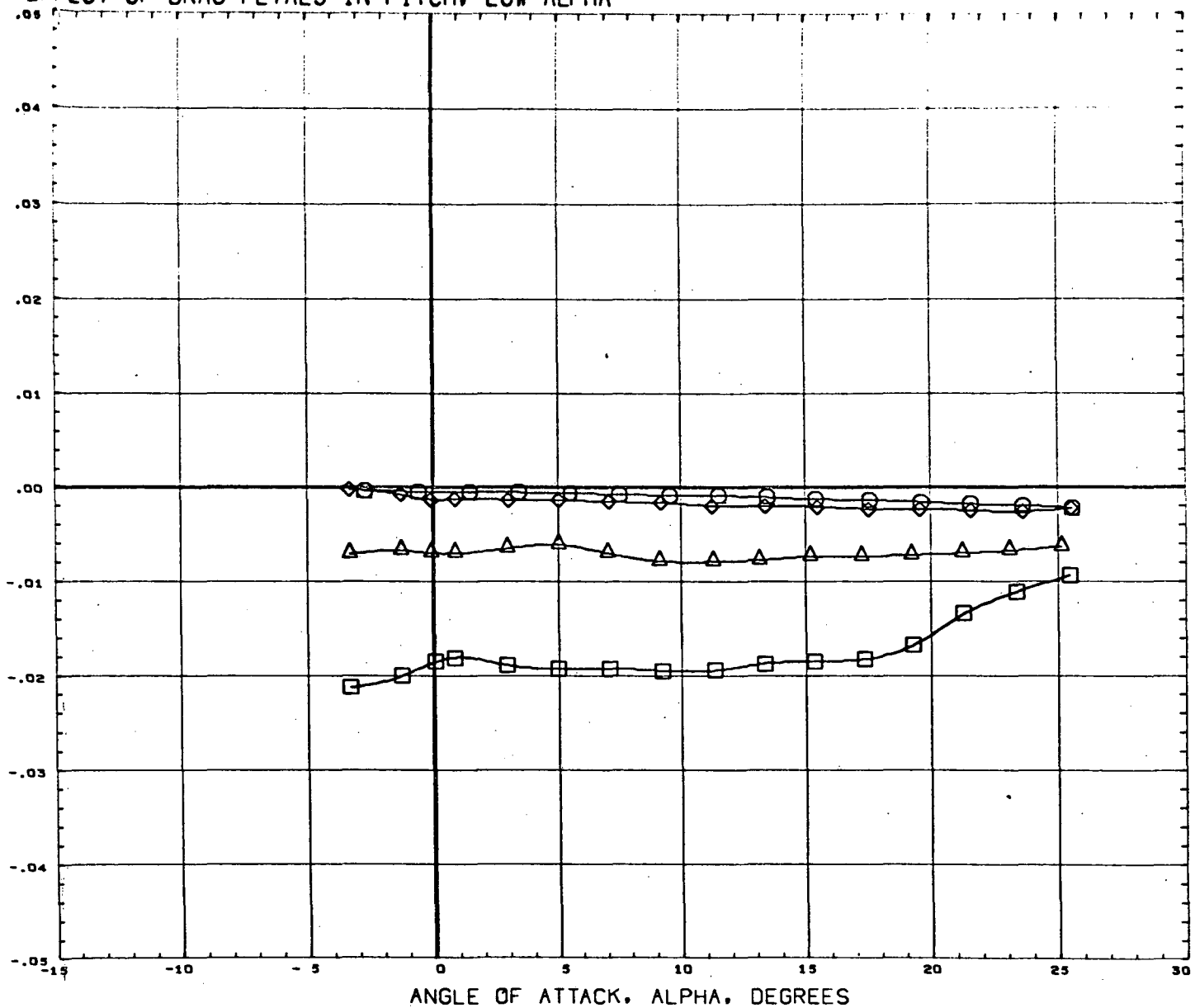
MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

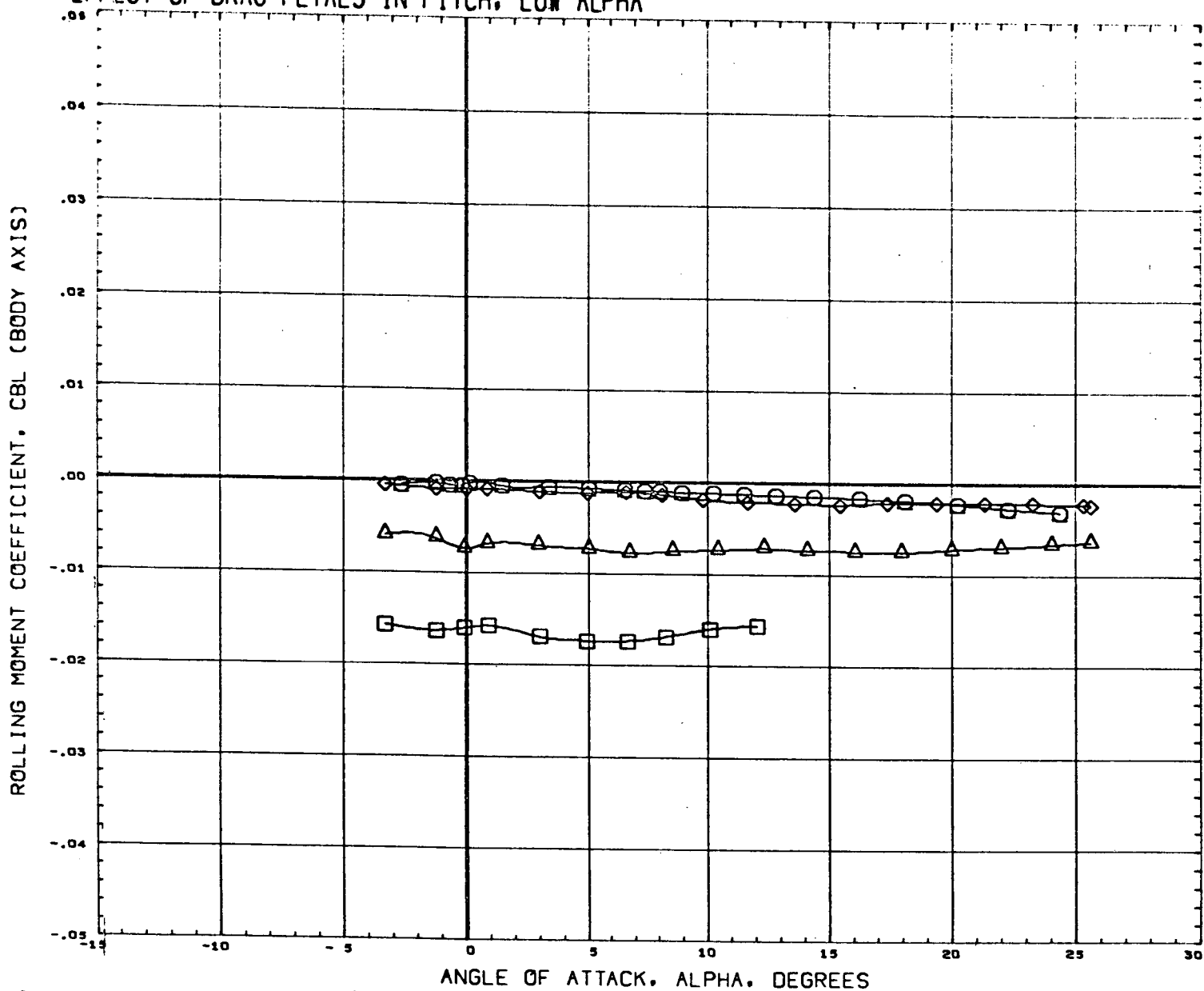


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		LREF 14.6830 INCHES
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1	0.000		BREF 14.6830 INCHES
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8001)	BTWT 1282/BSWT 557	PR-FED BRB	85S3
(AD8051)	BTWT 1282/BSWT 557	PR-FED BRB	85S305
(AD8111)	BTWT 1282/BSWT 557	PR-FED BRB	85S305.1
(AD8171)	BTWT 1282/BSWT 557	PR-FED BRB	85S305.3

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION

SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

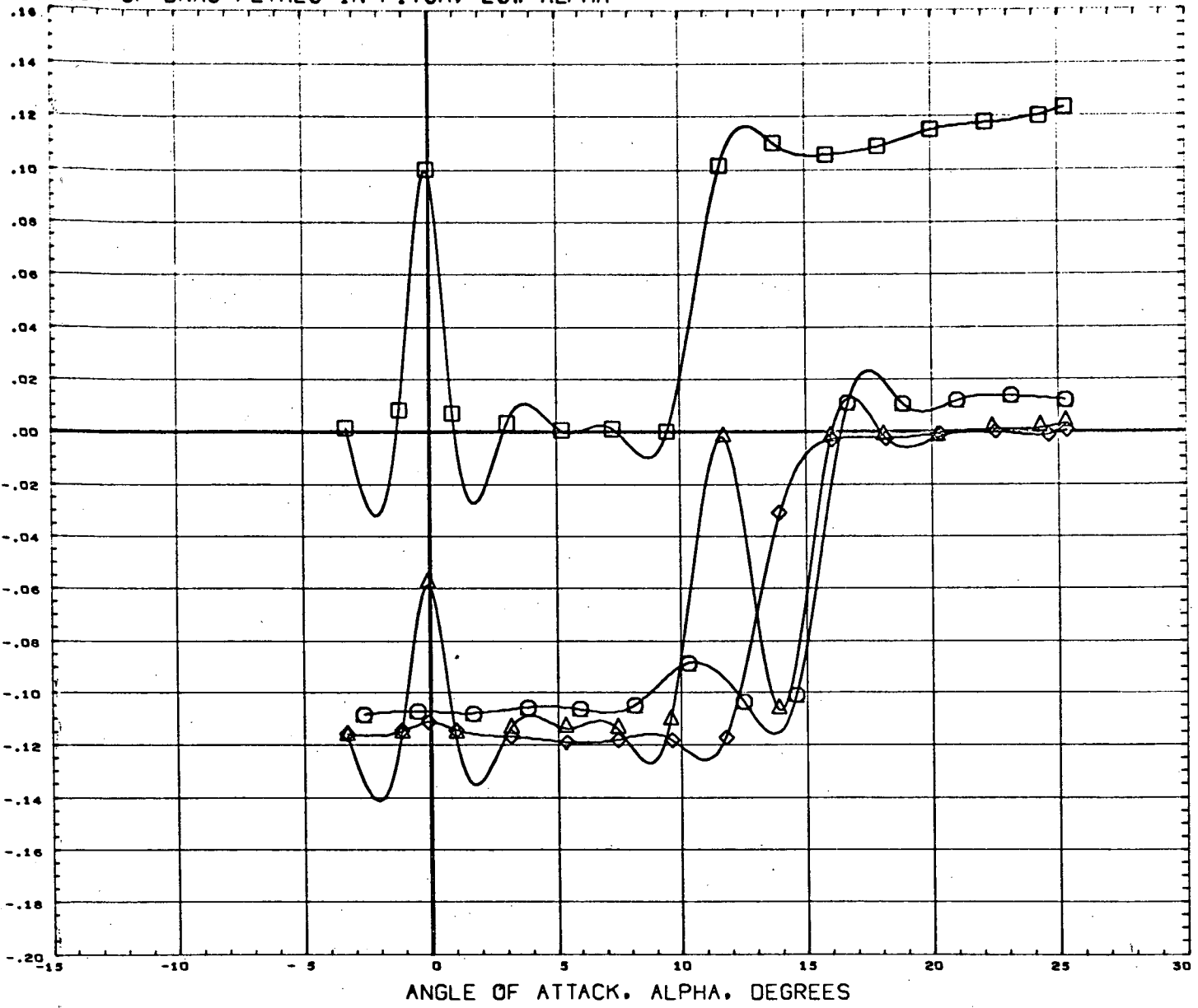
MACH

1.05

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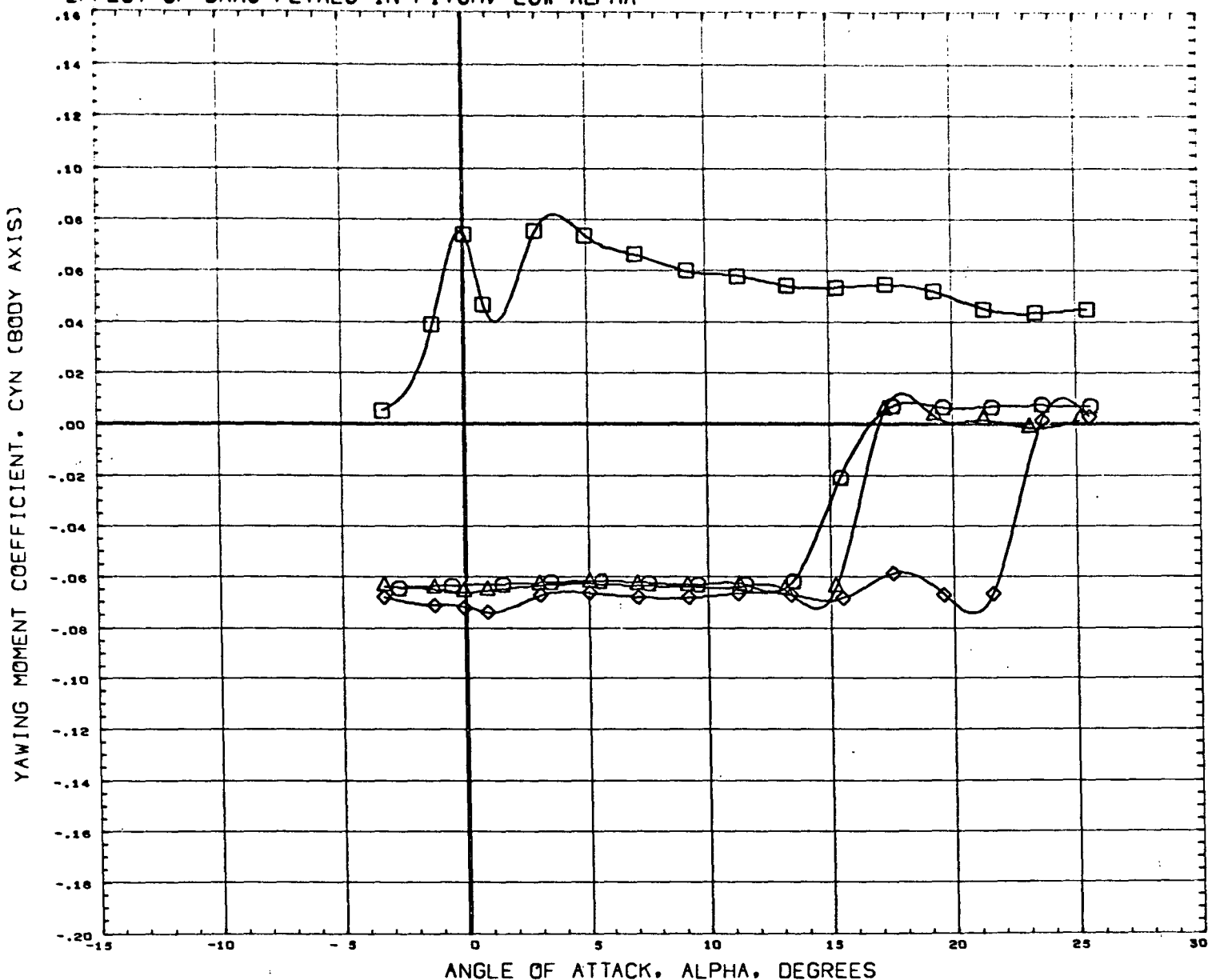
# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV	REFERENCE INFORMATION		
(A08001)	○	BTWT 1282/BSWT 557	PR-FED BRB	B5S3		0.000		SREF	9.7500	SQ. IN.
(A08051)	△	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D5		0.000		LREF	14.6830	INCHES
(A08111)	◇	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D5.1		0.000		BREF	14.6830	INCHES
(A08171)	□	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D5.3		0.000		XMRP	0.6000	LBODY
								YMRP	0.0000	INCHES
								ZMRP	0.0000	INCHES
								SCALE	0.8899	PERCENT

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD9001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(AD9051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5
(AD9111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1
(AD9171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3

BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

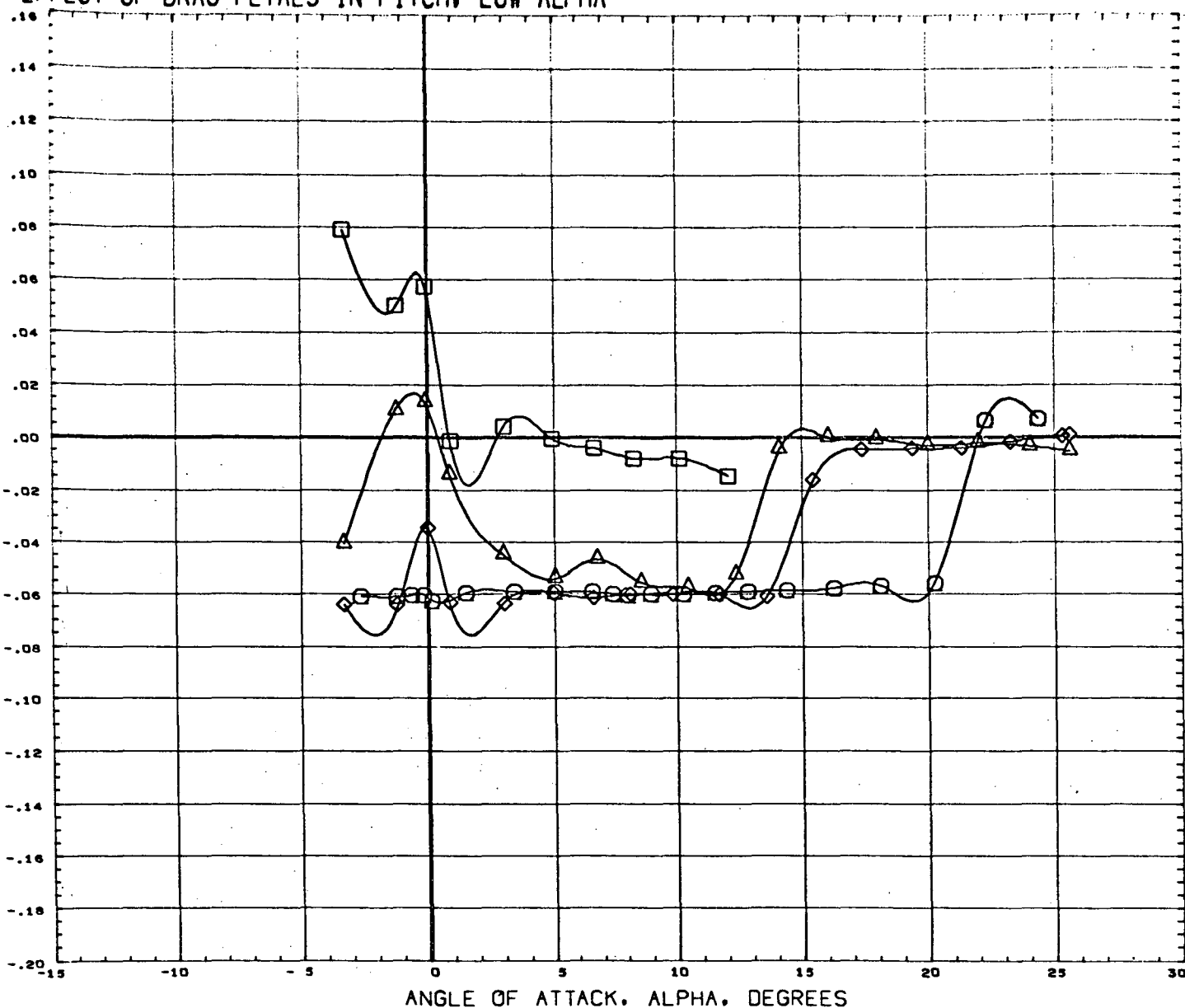
REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



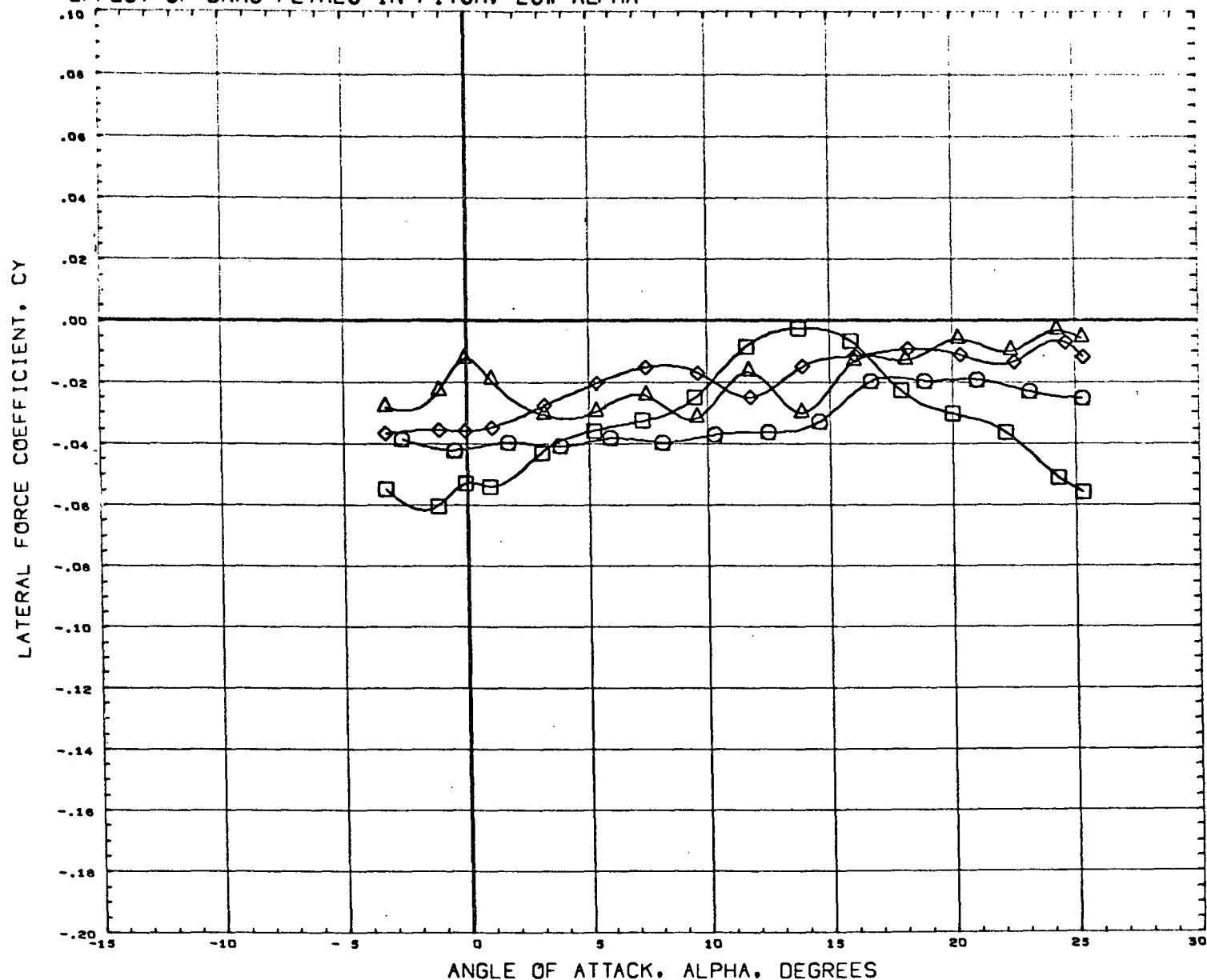
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000	
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B55305	0.000	
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B55305.1	0.000	
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B55305.3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

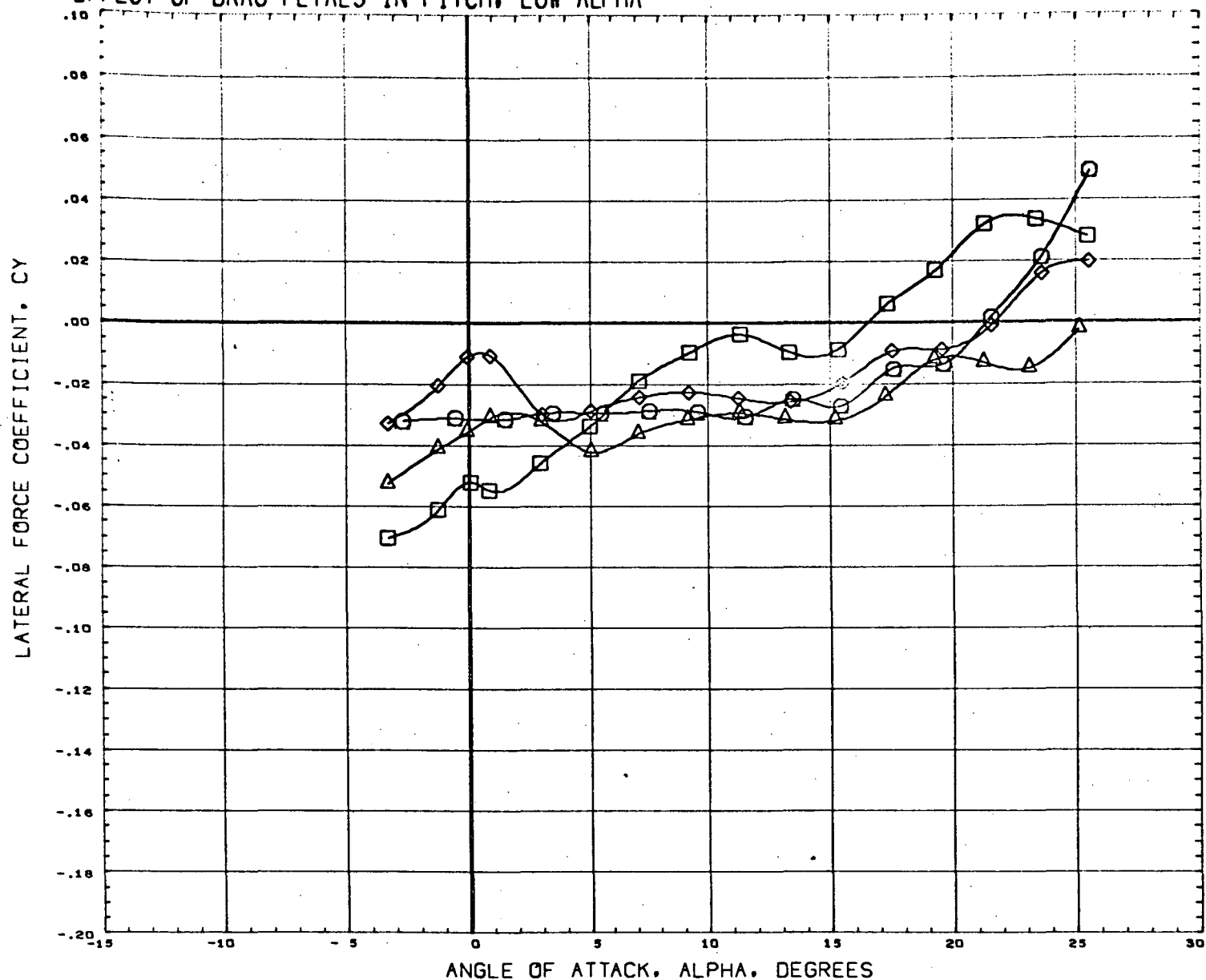


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		LREF 14.6830 INCHES
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1	0.000		BREF 14.6830 INCHES
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.3	0.000		YMRP 0.6000 LBODY
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553
(AD8051)	BTWT 1282/BSWT 557 PR-FED BRB B553D5
(AD8111)	BTWT 1282/BSWT 557 PR-FED BRB B553D5.1
(AD8171)	BTWT 1282/BSWT 557 PR-FED BRB B553D5.3

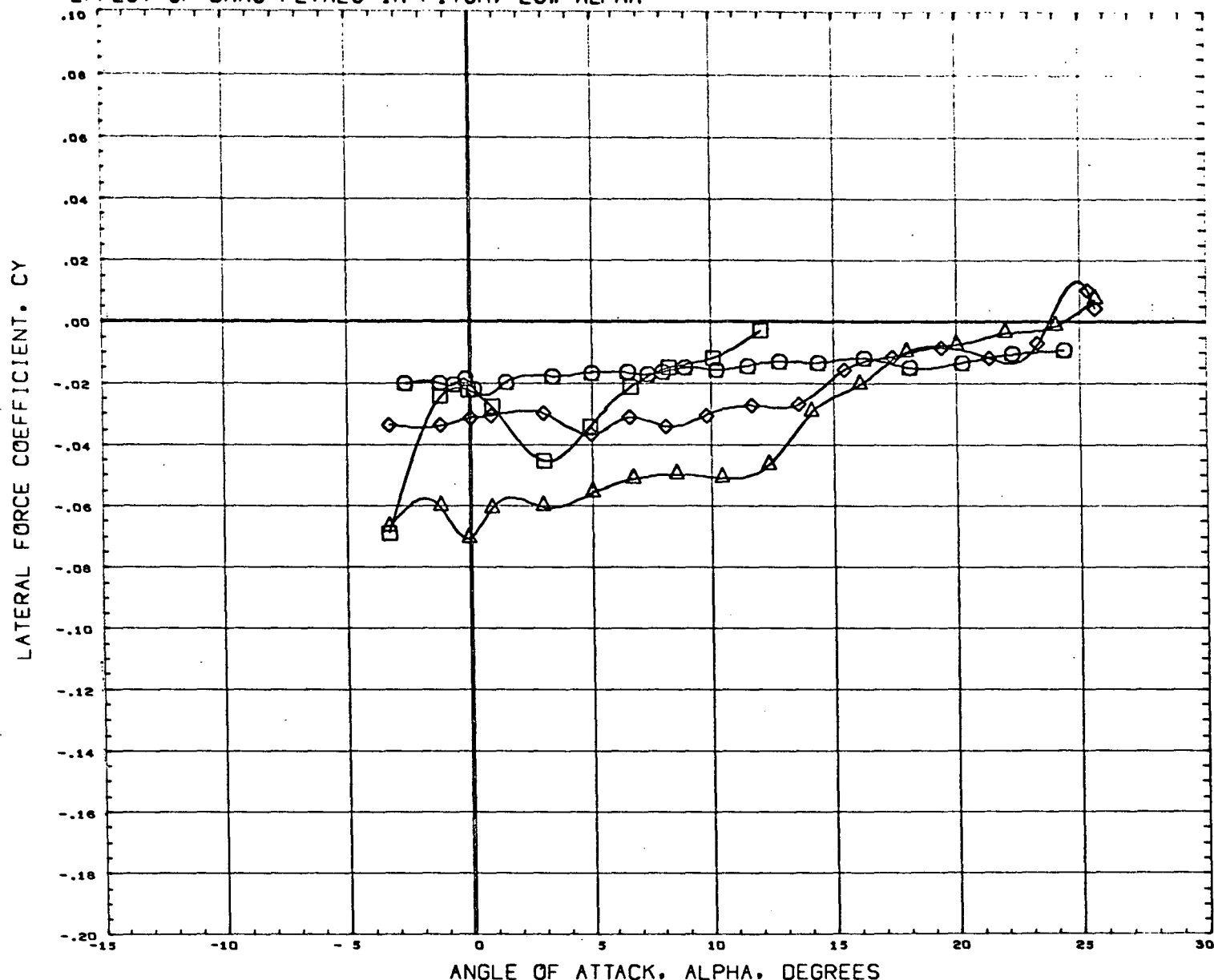
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



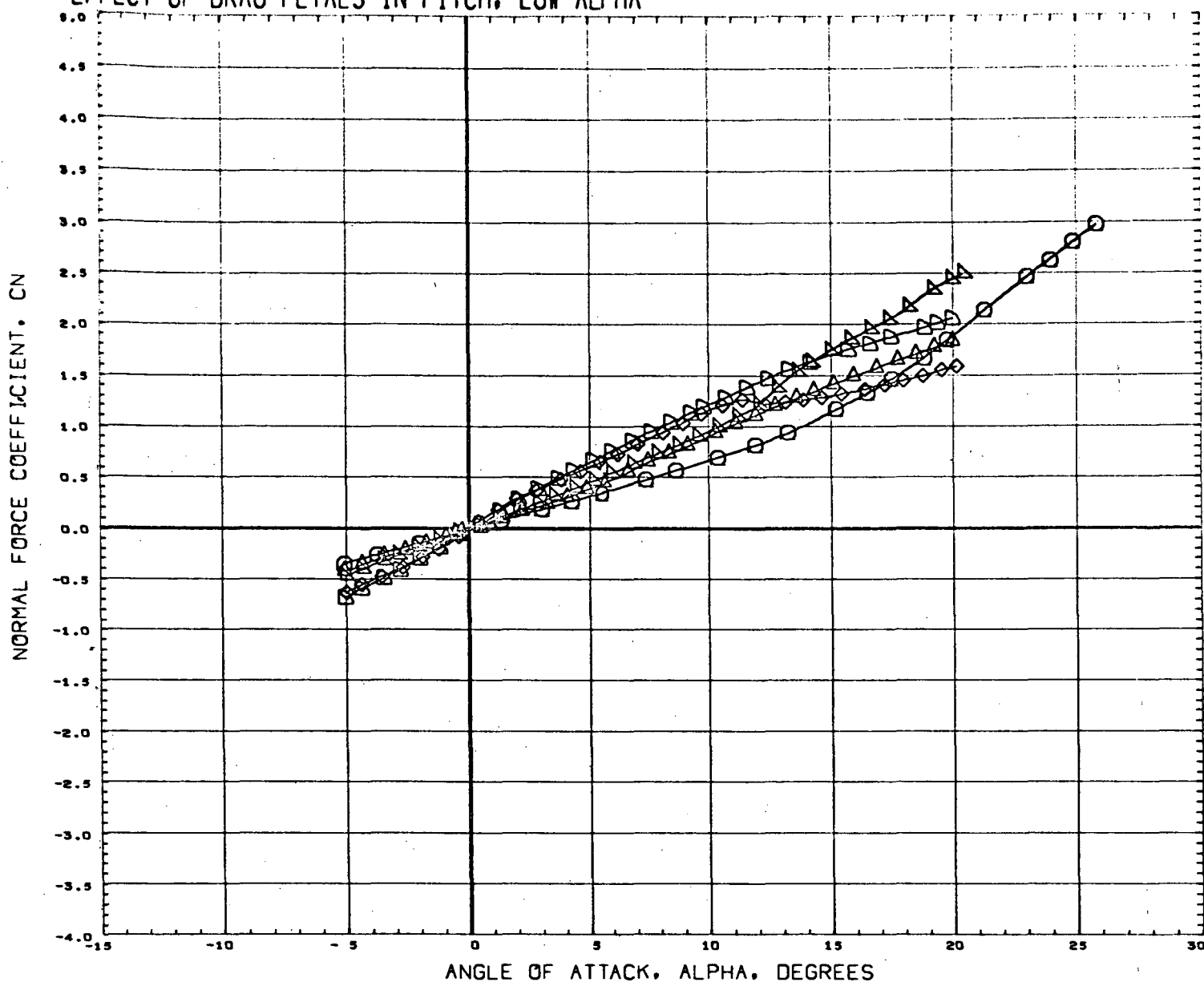
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(AD8001)	○	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF 9.7500 SQ. IN.
(AD8051)	△	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		LREF 14.6830 INCHES
(AD8111)	◇	BTWT 1282/BSWT 557 PR-FED BRB 85S305.1	0.000		BREF 14.6830 INCHES
(AD8171)	□	BTWT 1282/BSWT 557 PR-FED BRB 85S305.3	0.000		XMRP 0.0000 LBODY
					YMRP 0.0000 INCHES
					ZMRP 0.0000 INCHES
					SCALE 0.8899 PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

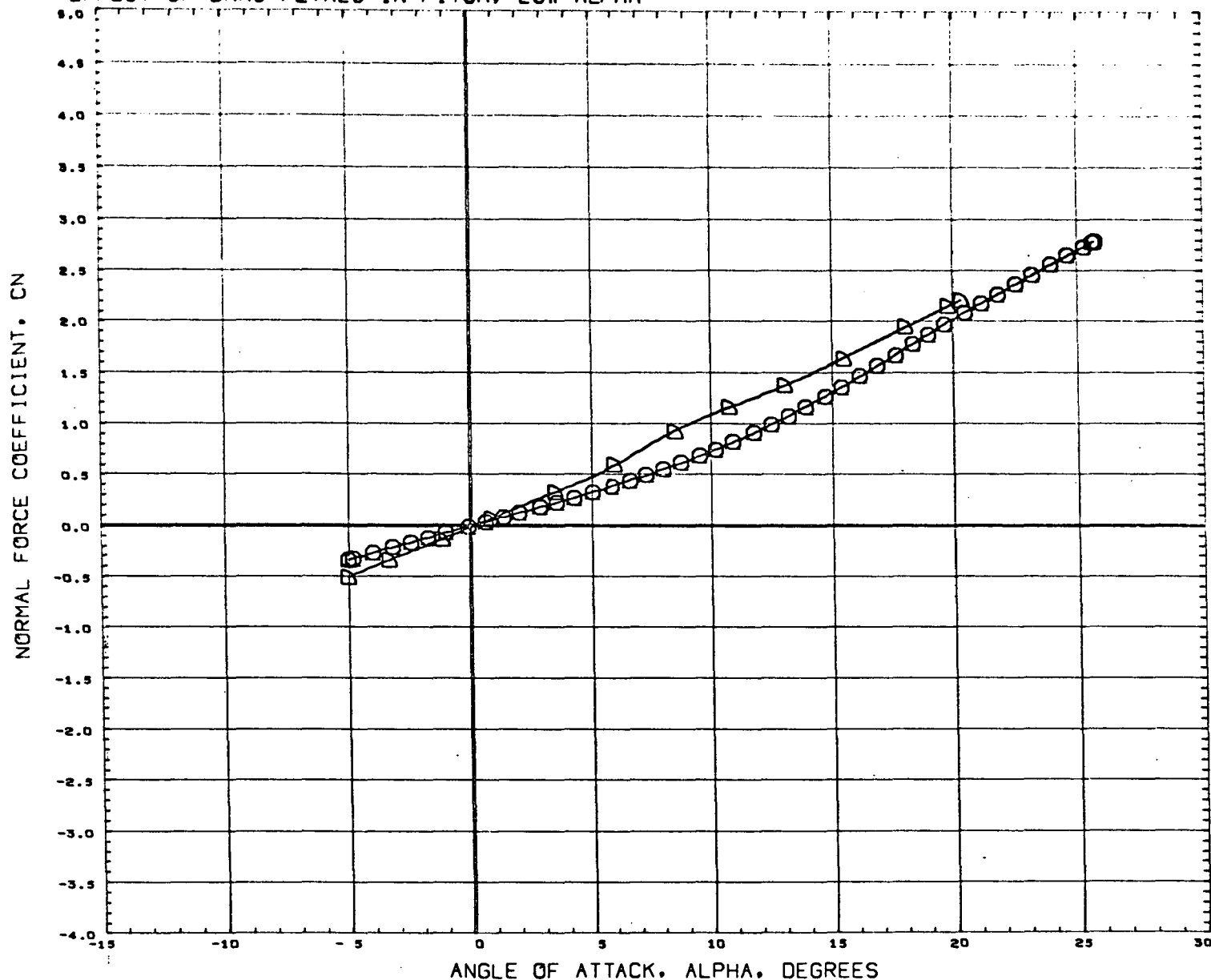


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(C08001)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(W08011)	△	BTWT 1282/BSWT 557 PR-FED BRB B5S301	0.000		LREF 14.6830 INCHES
(W08021)	□	BTWT 1282/BSWT 557 PR-FED BRB B5S302	0.000		BREF 14.6830 INCHES
(W08031)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP 0.6000 LBODY
(R08041)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S304	0.000		YMRP 0.0000 INCHES
(B08051)	△	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		ZMRP 0.0000 INCHES
					SCALE 0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



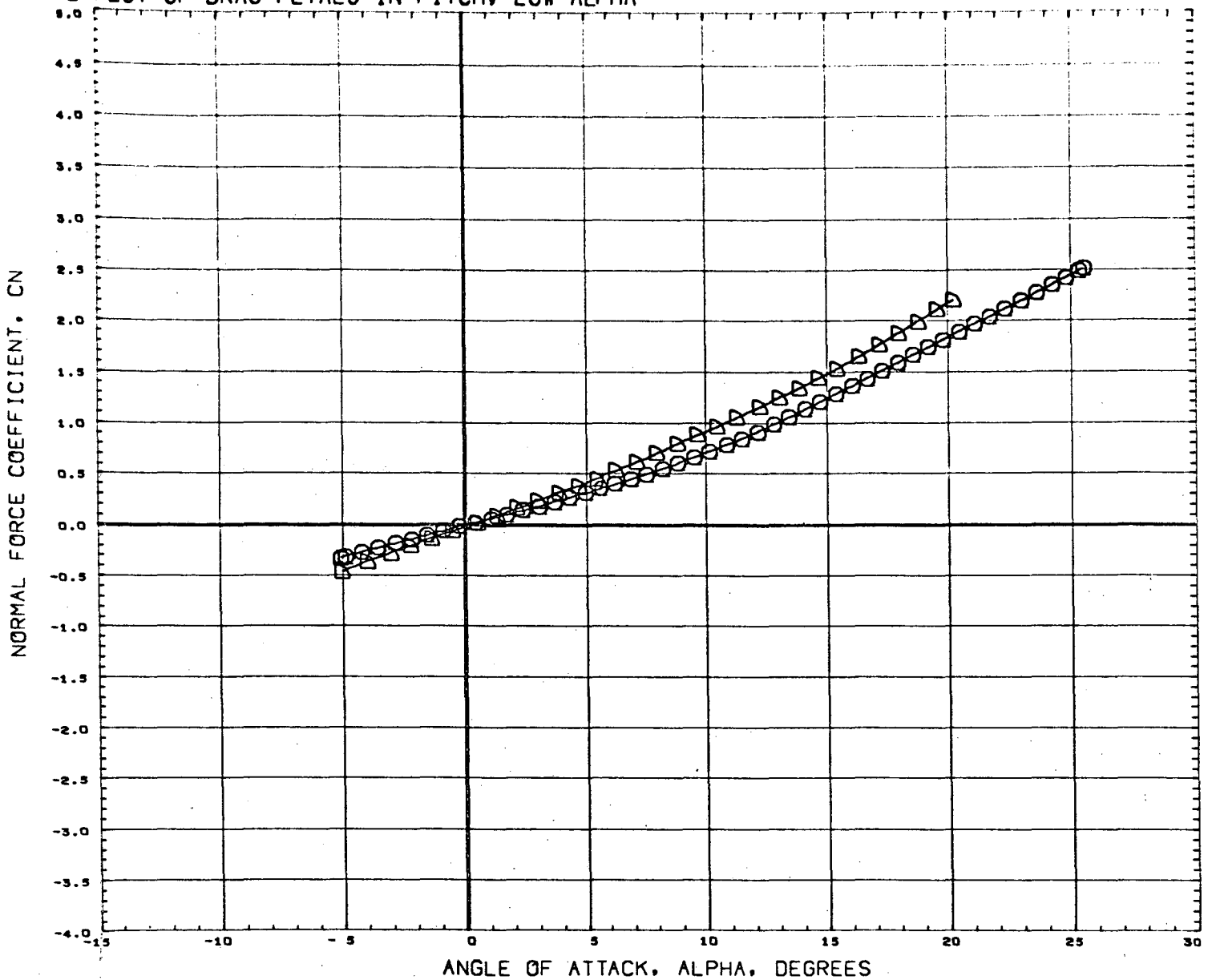
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3DS	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



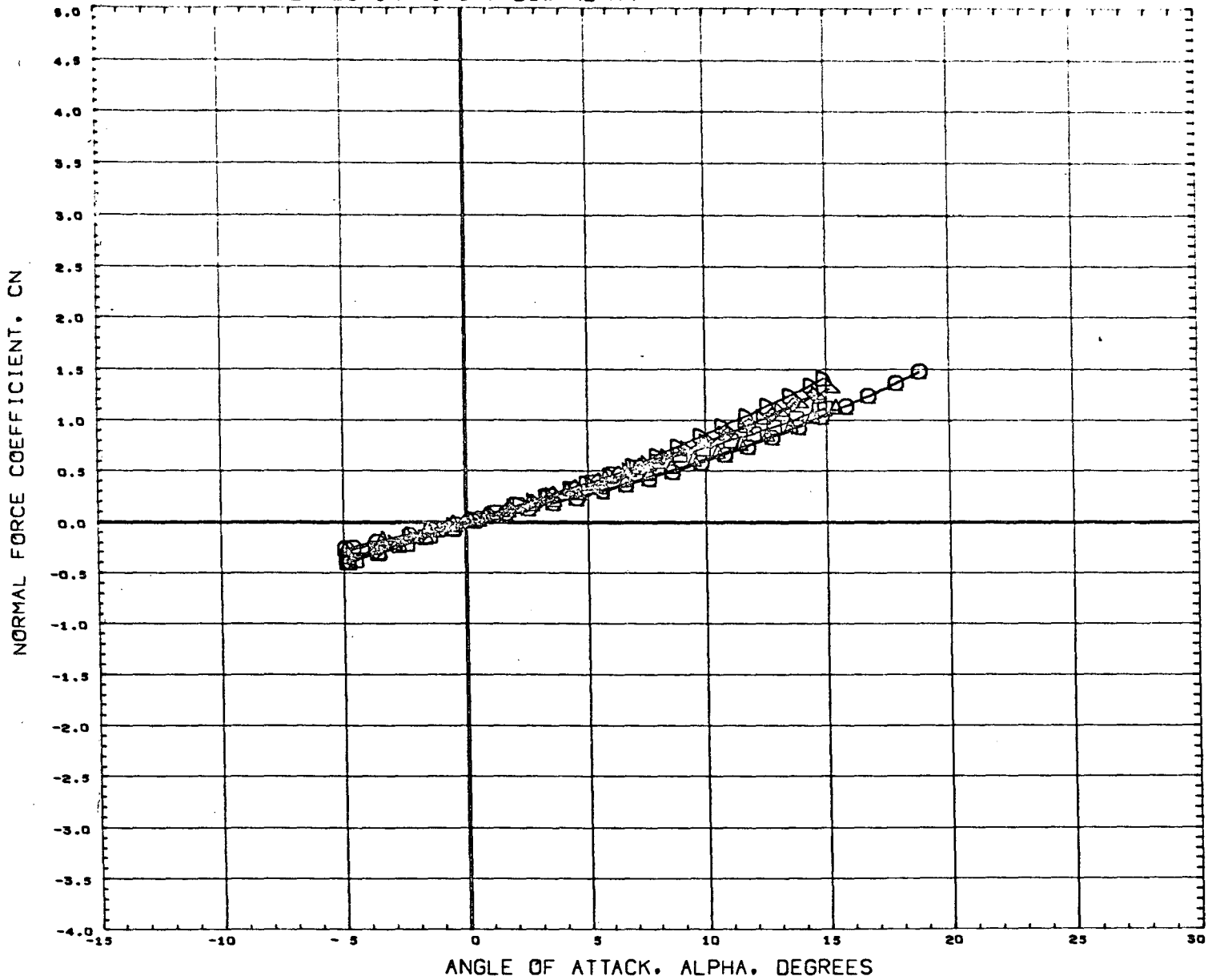
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(W08021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

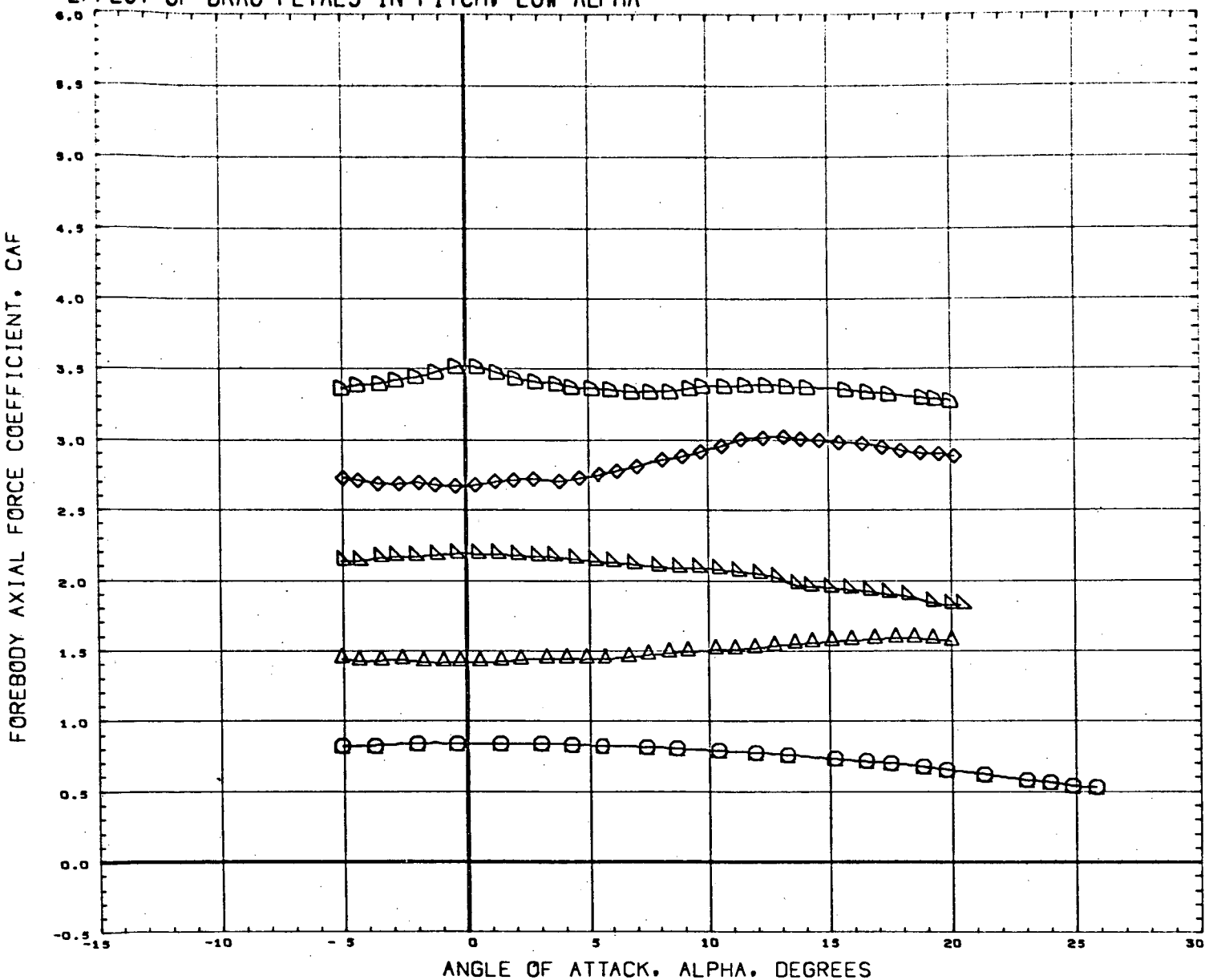


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1	0.000		LREF 14.6830 INCHES
(WD8021)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D2	0.000		BREF 14.6830 INCHES
(WD8031)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D3	0.000		XMRP 0.6000 LBODY
(RD8041)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4	0.000		YMRP 0.0000 INCHES
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

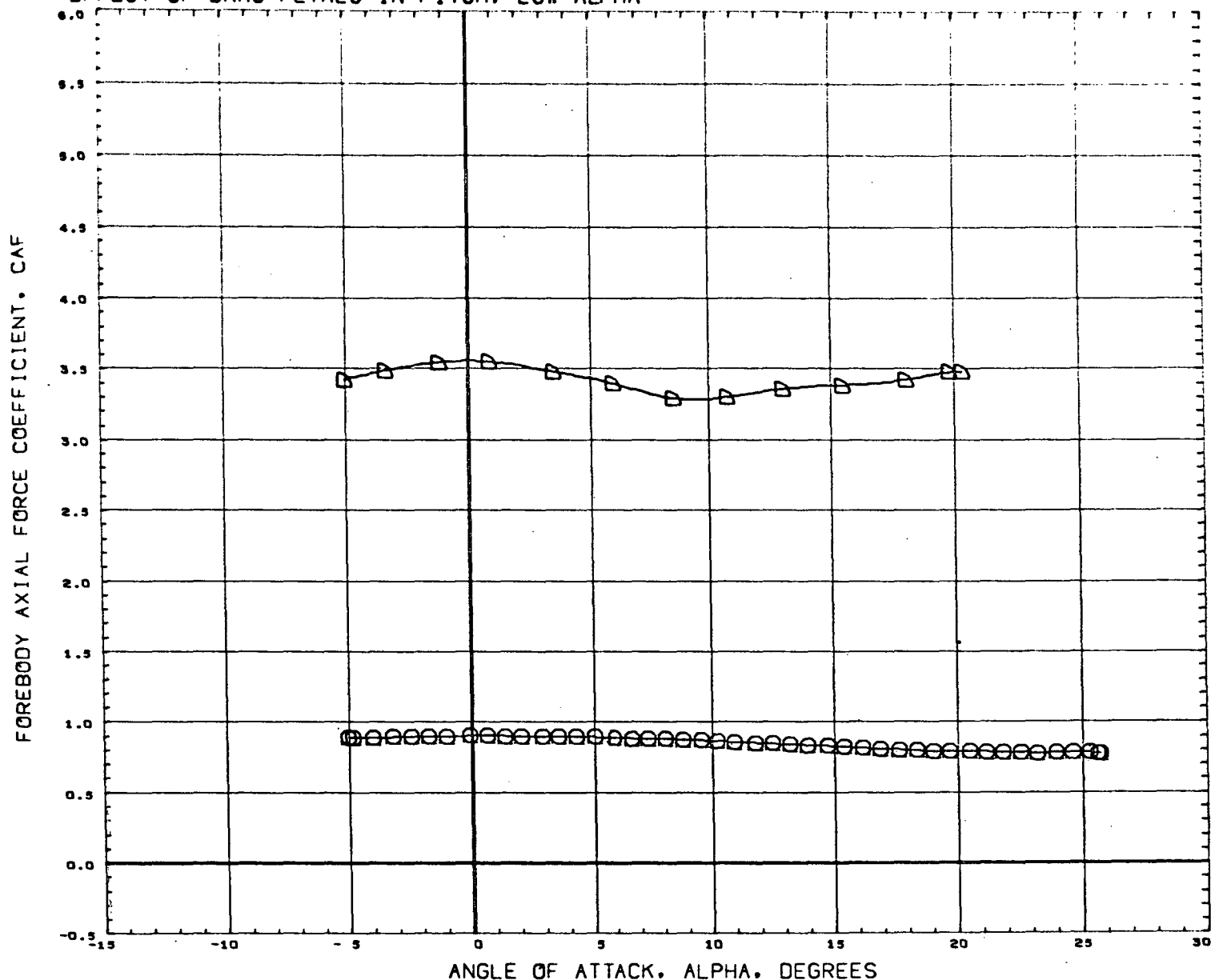


DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV	REFERENCE INFORMATION	
(CD8001)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3		0.000		SREF	9.7500 SQ.IN.
(WD8011)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D1		0.000		LREF	14.6830 INCHES
(WD8021)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D2		0.000		BREF	14.6830 INCHES
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS				0.000		XMRP	0.6000 LBODY
(RD8041)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D4		0.000		YMRP	0.0000 INCHES
(BD8051)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D5		0.000		ZMRP	0.0000 INCHES
							SCALE	0.8899 PERCNT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



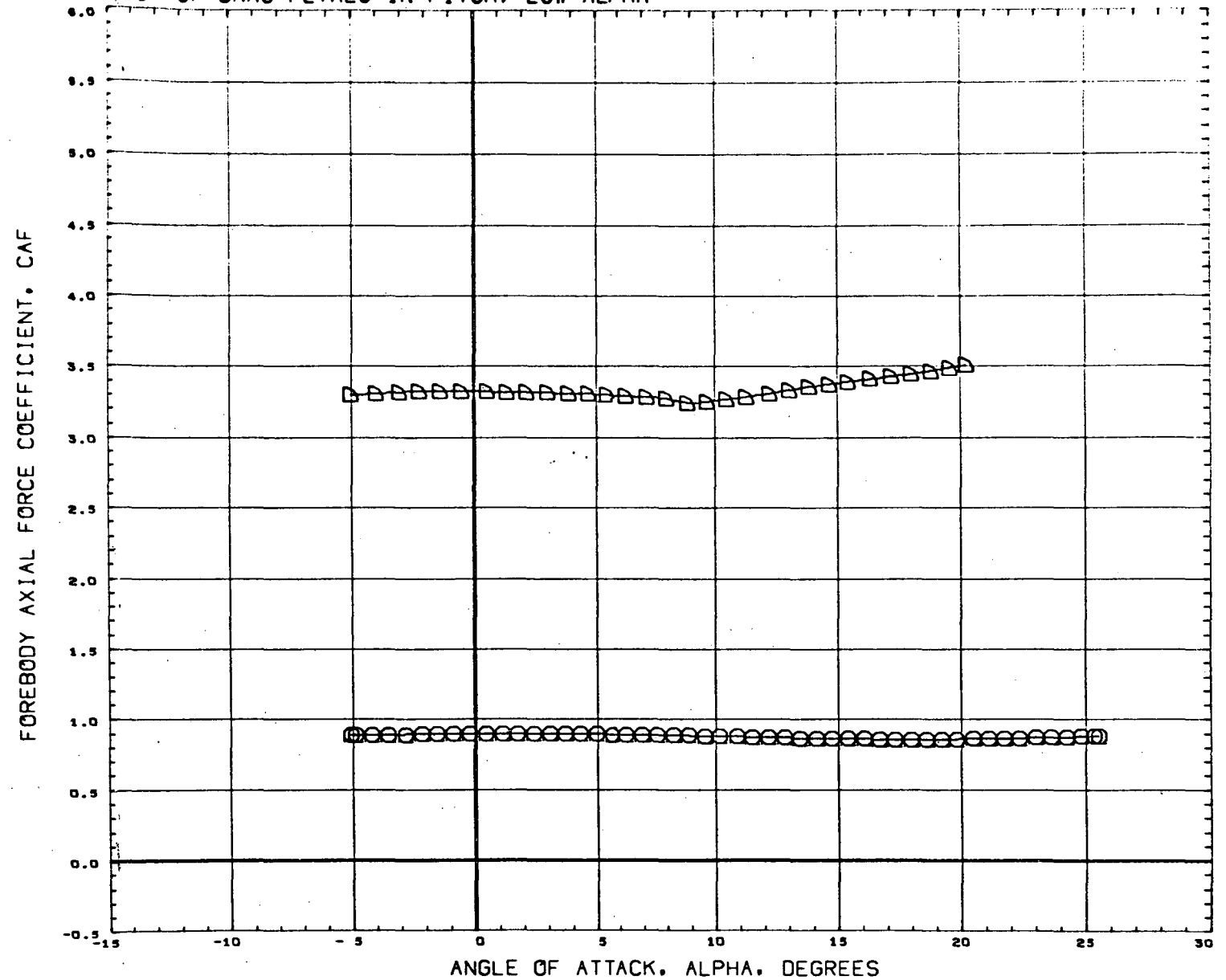
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(W08021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

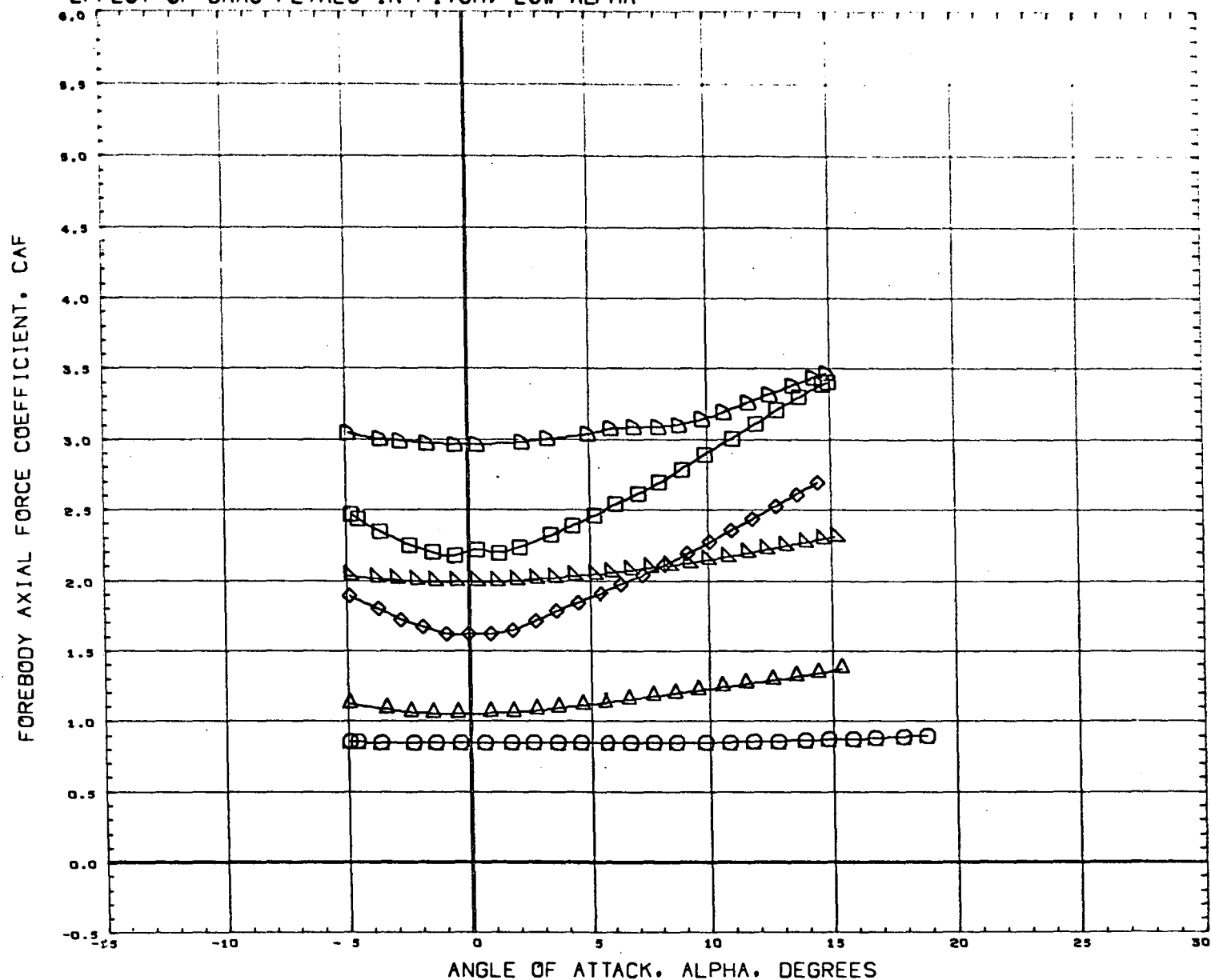


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000		SREF	9.7500 SQ. IN.
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6830 INCHES
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		BREF	14.6830 INCHES
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		YMRP	0.0000 INCHES
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B55305	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



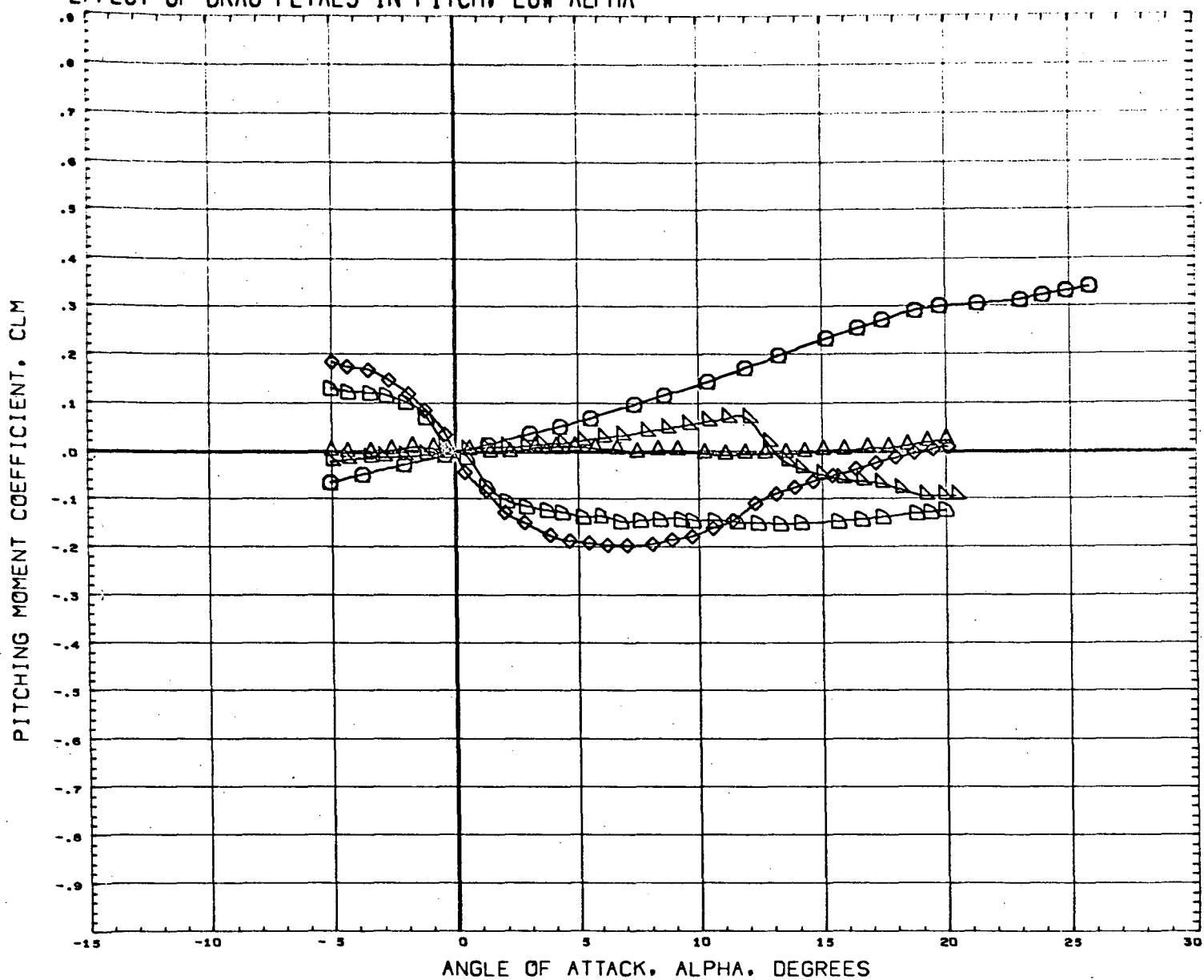
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CB8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(WB8011)	BTWT 1282/BSWT 557 PR-FED BRB B5S301	0.000		LREF 14.6830 INCHES
(WB8021)	BTWT 1282/BSWT 557 PR-FED BRB B5S302	0.000		BREF 14.6830 INCHES
(WB8031)	BTWT 1282/BSWT 557 PR-FED BRB B5S303	0.000		XMRF 0.6000 LBODY
(RB8041)	BTWT 1282/BSWT 557 PR-FED BRB B5S304	0.000		YMRF 0.0000 INCHES
(RB8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



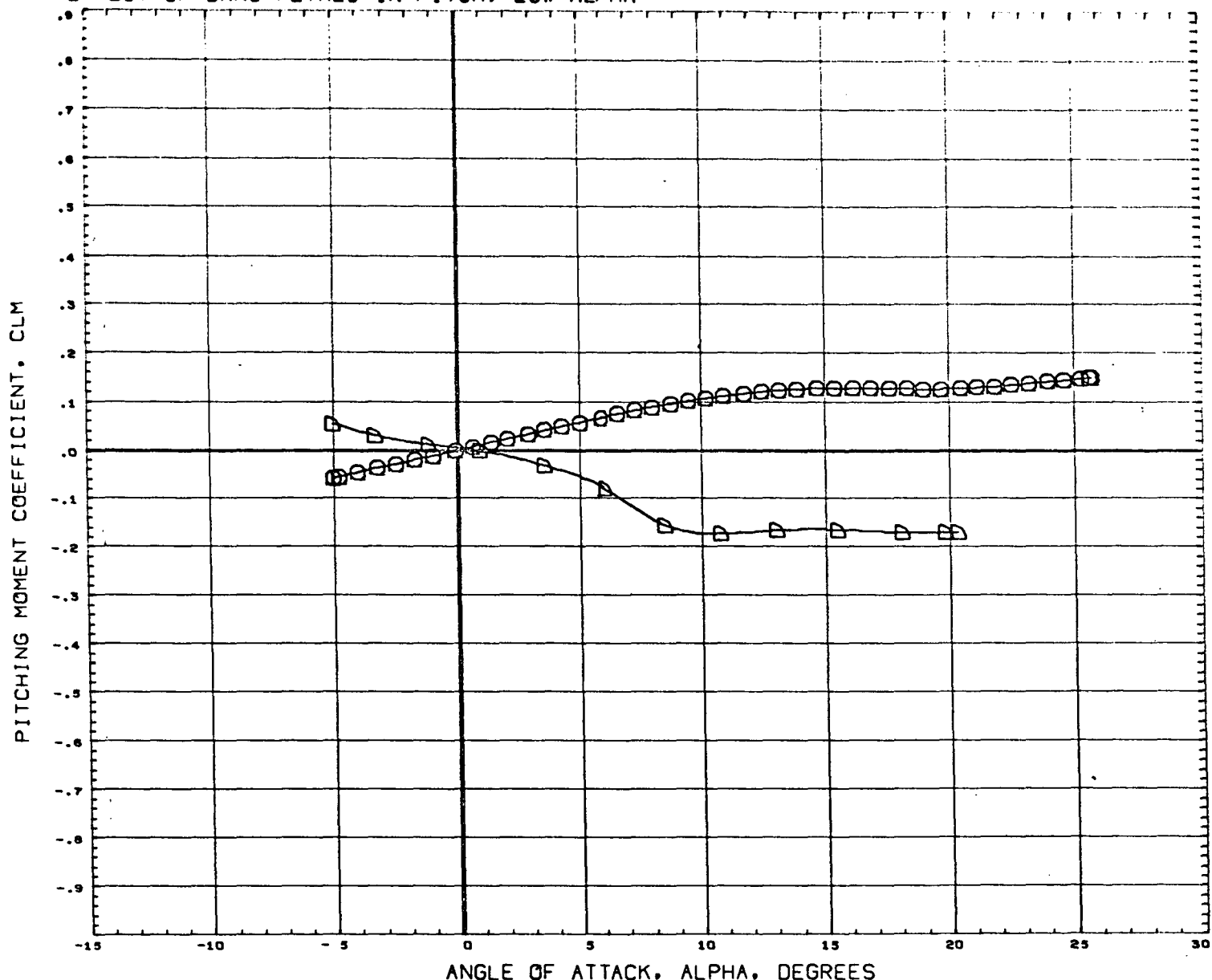
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000	
(WD9011)	BTWT 1282/BSWT 557 PR-FED BRB 85S301	0.000	
(WD9021)	BTWT 1282/BSWT 557 PR-FED BRB 85S302	0.000	
(WD9031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD9041)	BTWT 1282/BSWT 557 PR-FED BRB 85S304	0.000	
(BD9051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LB/FOOT
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MAQH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(W08021)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08041)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(E08051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5

BETA	DELTA V
0.000	
0.000	
0.000	
0.000	
0.000	
0.000	

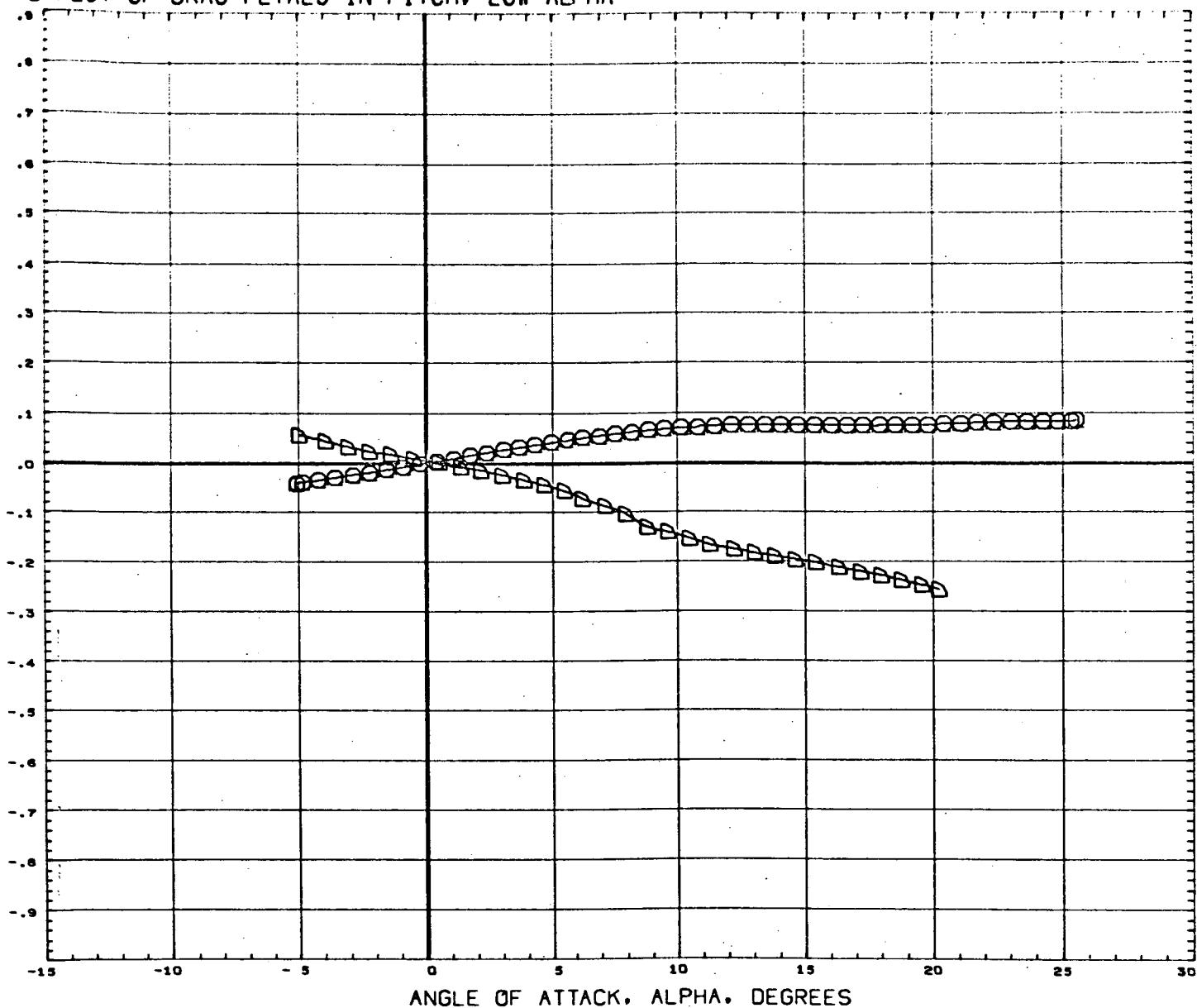
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



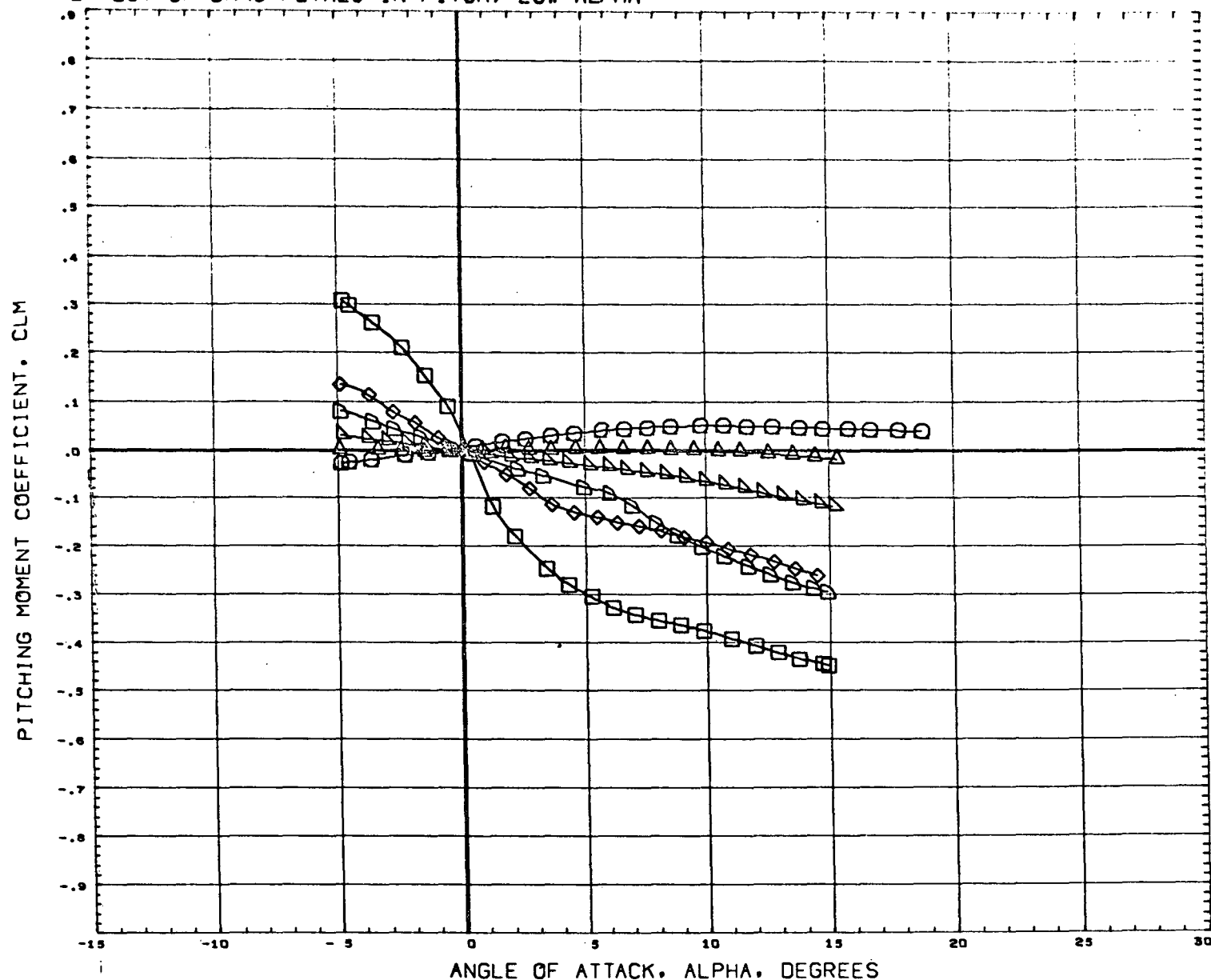
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6930	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



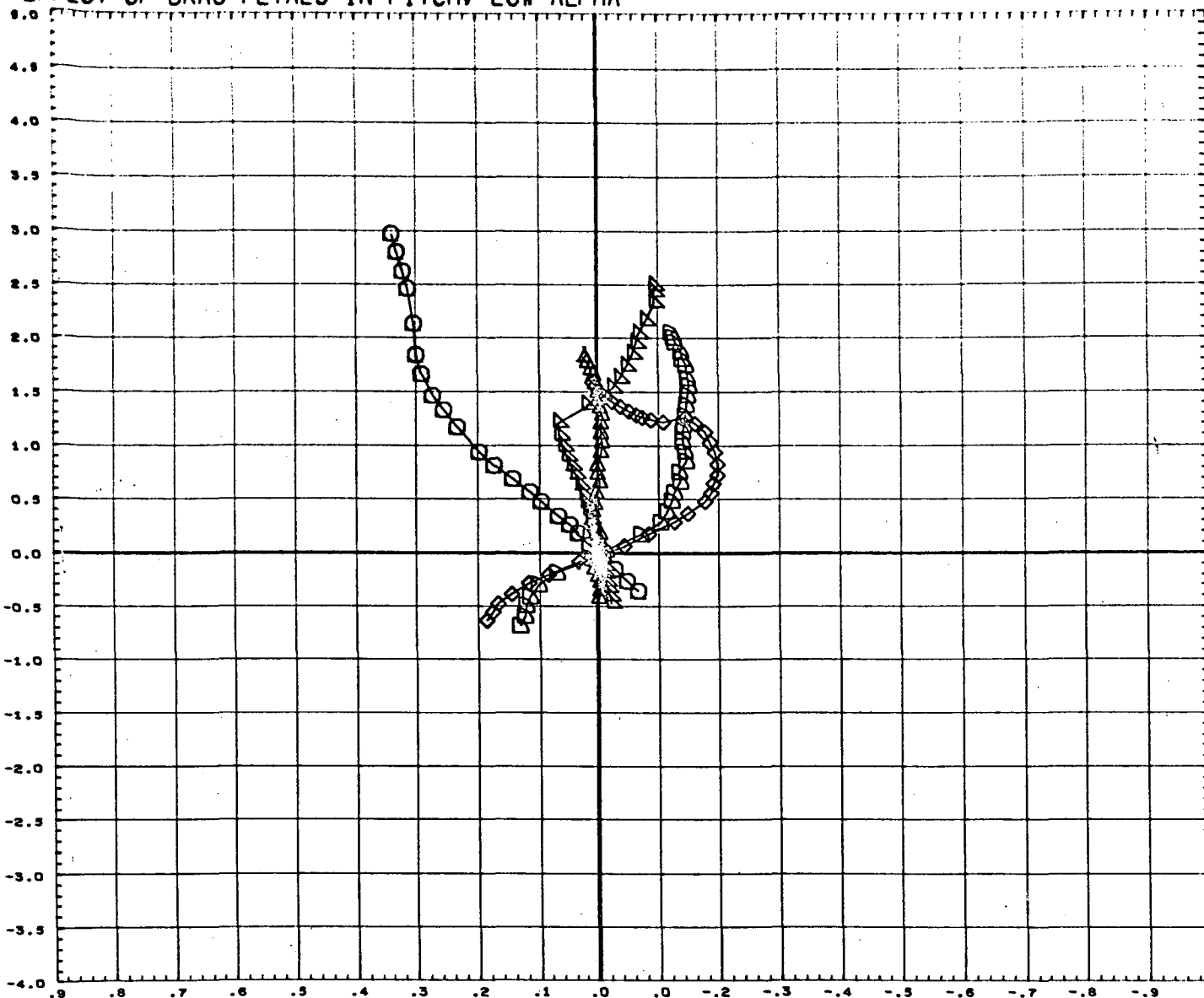
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF	9.7500 SQ. IN.
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1	0.000		LREF	14.6830 INCHES
(W08021)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D2	0.000		BREF	14.6830 INCHES
(W08031)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D3	0.000		XMRP	0.6000 LBODY
(R08041)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4	0.000		YMRP	0.0000 INCHES
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

NORMAL FORCE COEFFICIENT, CN



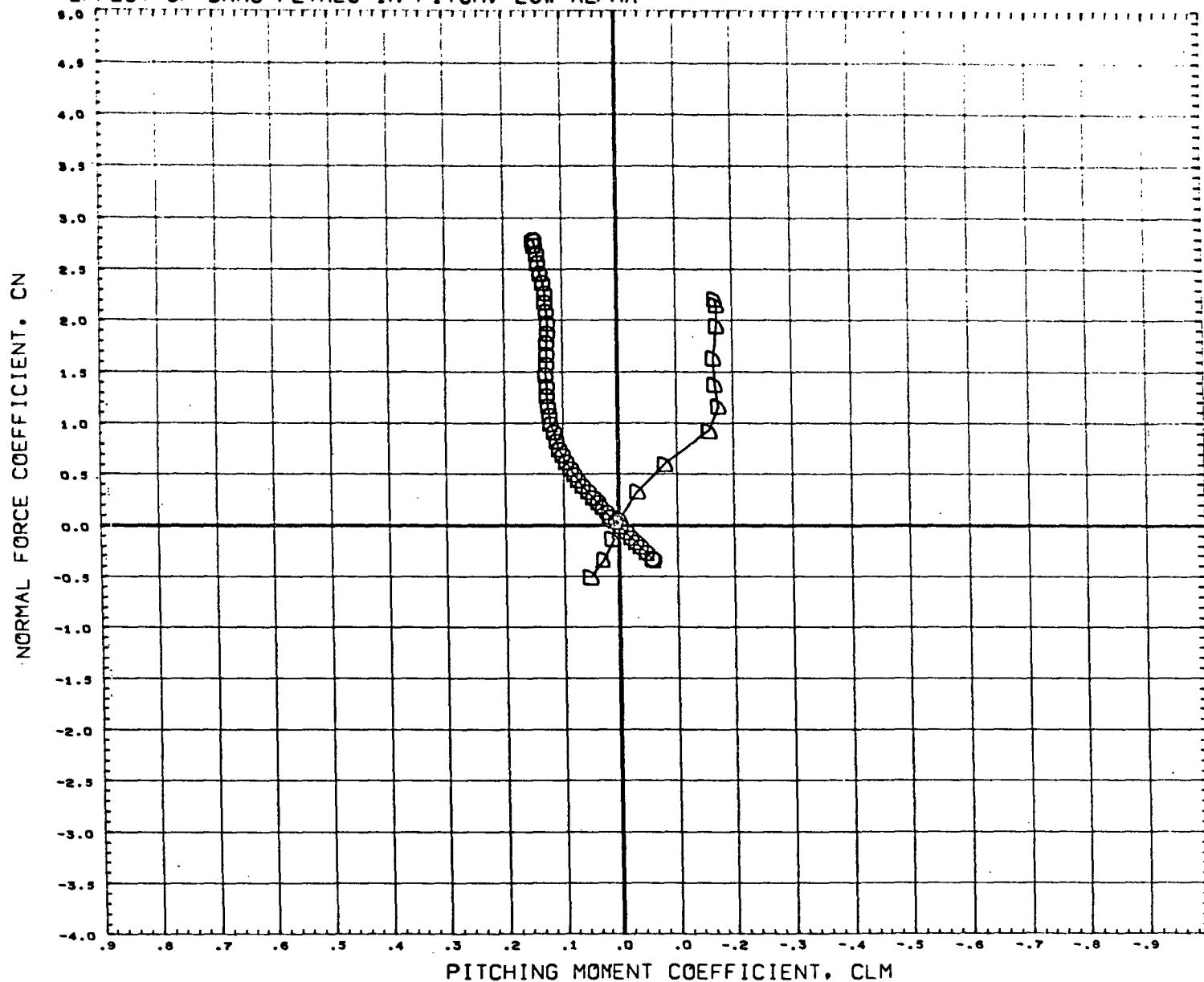
PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF 9.7500 SQ. IN.
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1	0.000		LREF 14.6830 INCHES
(W08021)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D2	0.000		BREF 14.6830 INCHES
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP 0.0000 LBODY
(R08041)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4	0.000		YMRP 0.0000 INCHES
(R08051)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



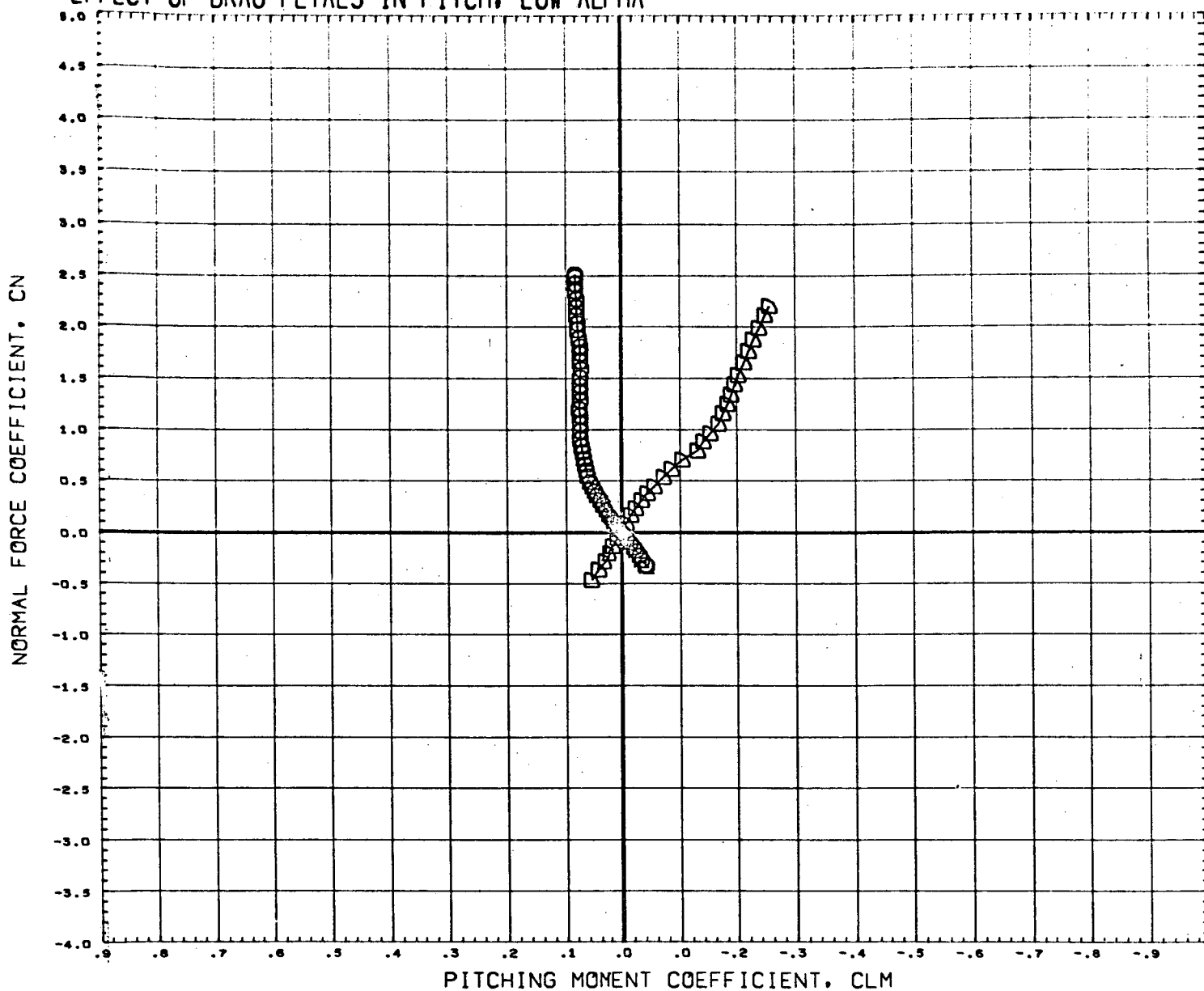
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5

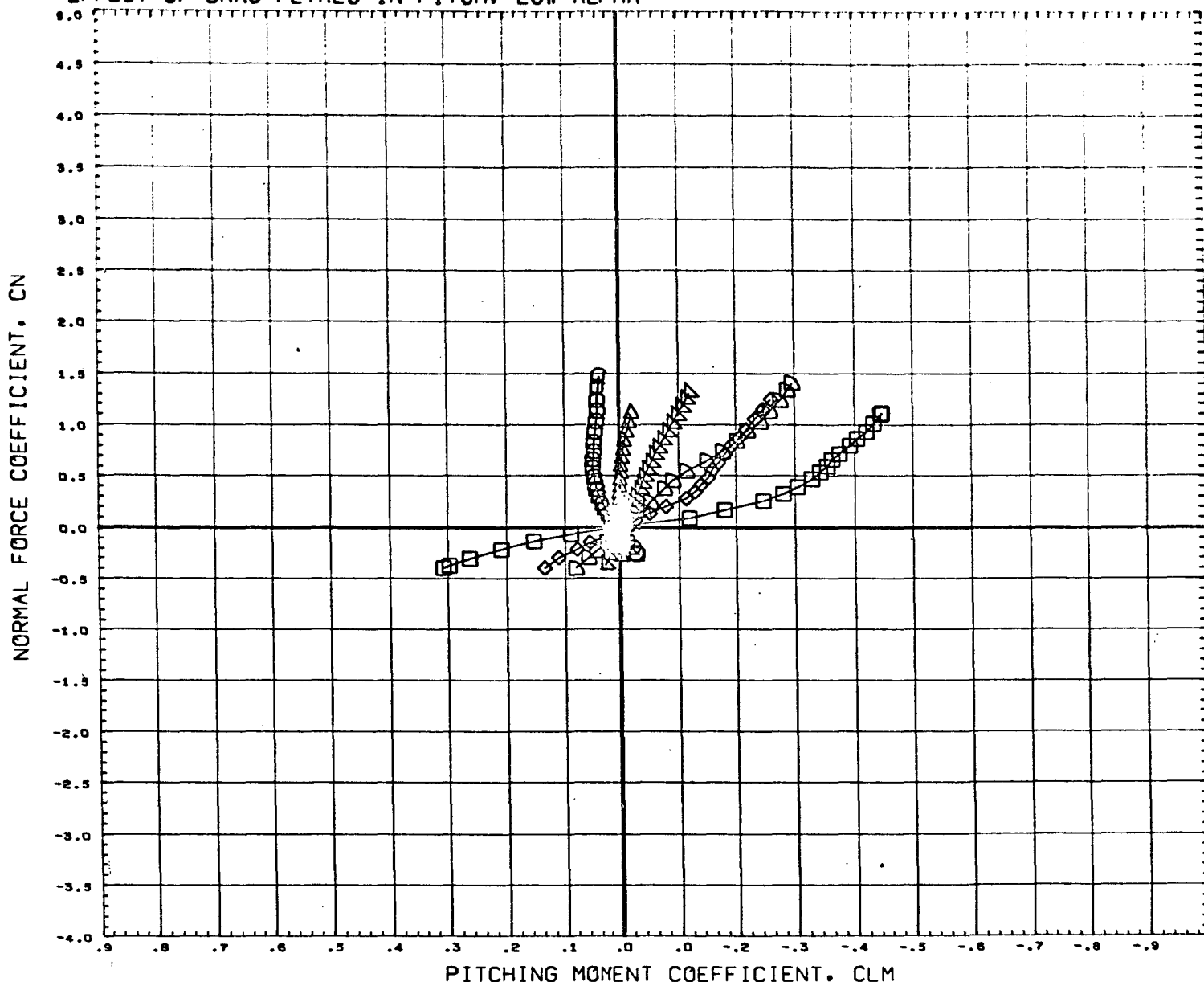
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF 9.7500 SQ. IN.
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB 85S301	0.000		LREF 14.6830 INCHES
(WD8021)	BTWT 1282/BSWT 557 PR-FED BRB 85S302	0.000		BREF 14.6830 INCHES
(WD8031)	BTWT 1282/BSWT 557 PR-FED BRB 85S303	0.000		XMRP 0.0000 LBODY
(RD8041)	BTWT 1282/BSWT 557 PR-FED BRB 85S304	0.000		YMRP 0.0000 INCHES
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

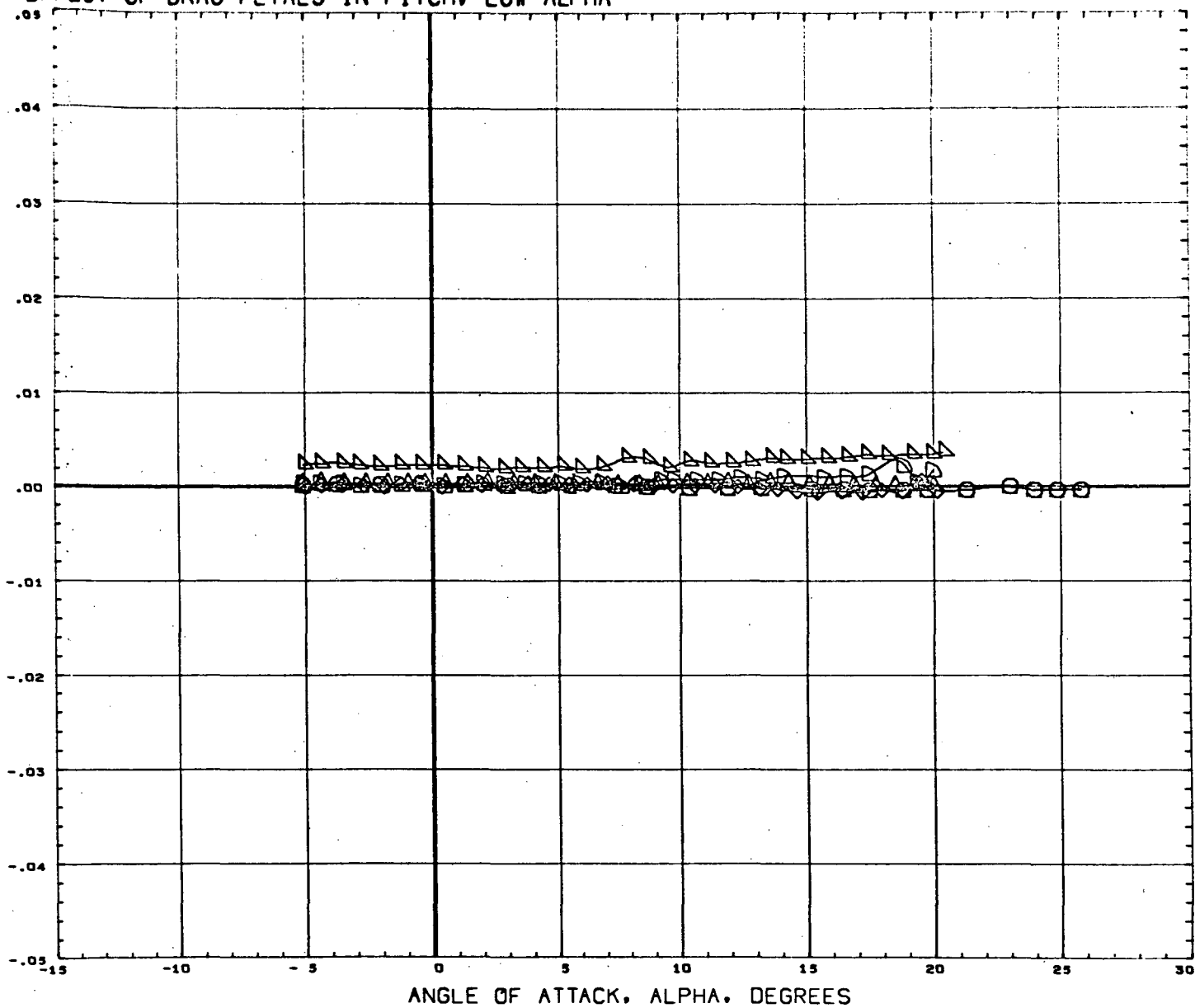
MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

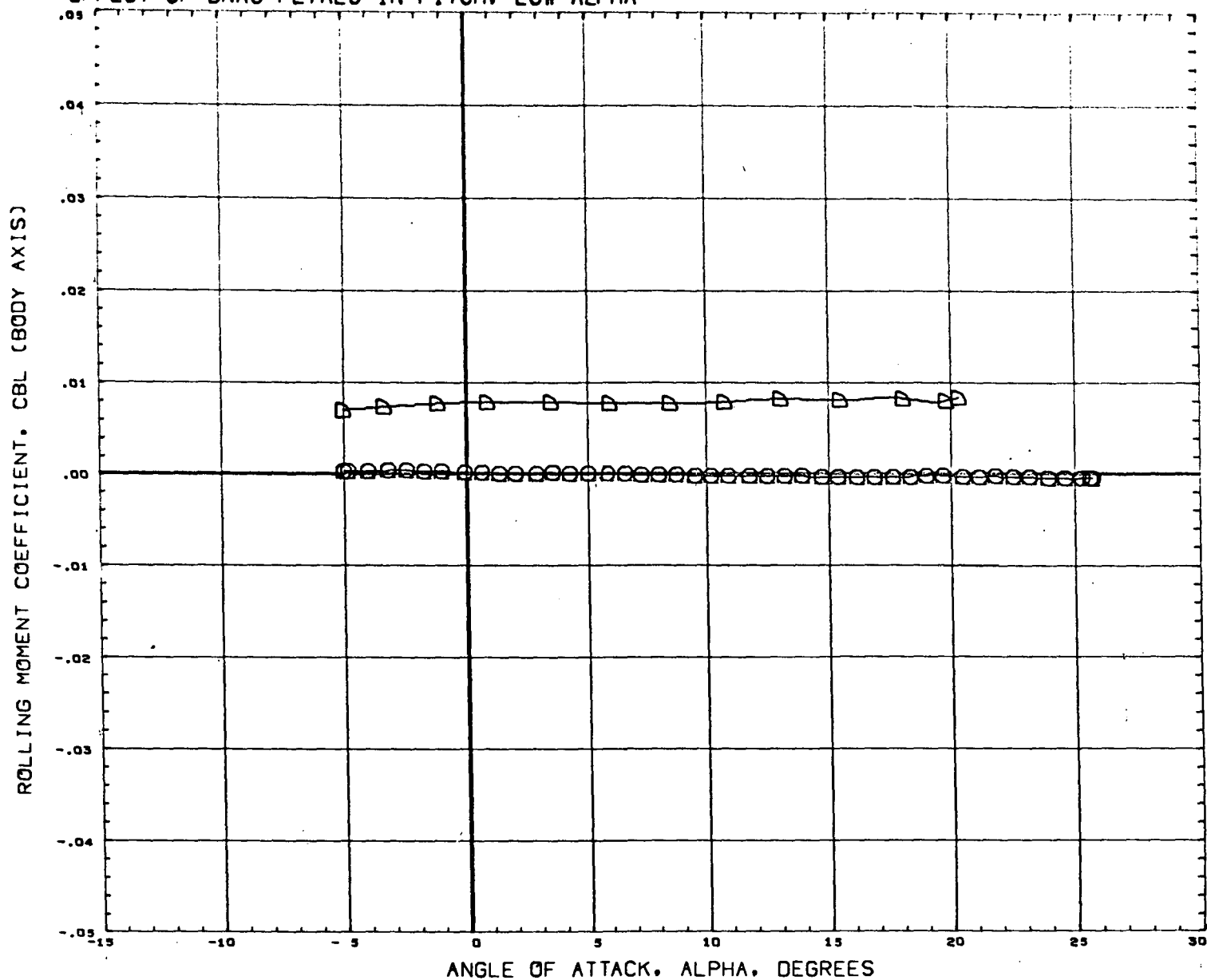


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF	9.7500 SQ. IN.
(C08011)	BTWT 1282/BSWT 557 PR-FED BRB 85S301	0.000		LREF	14.6830 INCHES
(C08021)	BTWT 1282/BSWT 557 PR-FED BRB 85S302	0.000		BREF	14.6830 INCHES
(C08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(C08041)	BTWT 1282/BSWT 557 PR-FED BRB 85S304	0.000		YMRP	0.0000 INCHES
(C08051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8593	0.000	
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 859305	0.000	

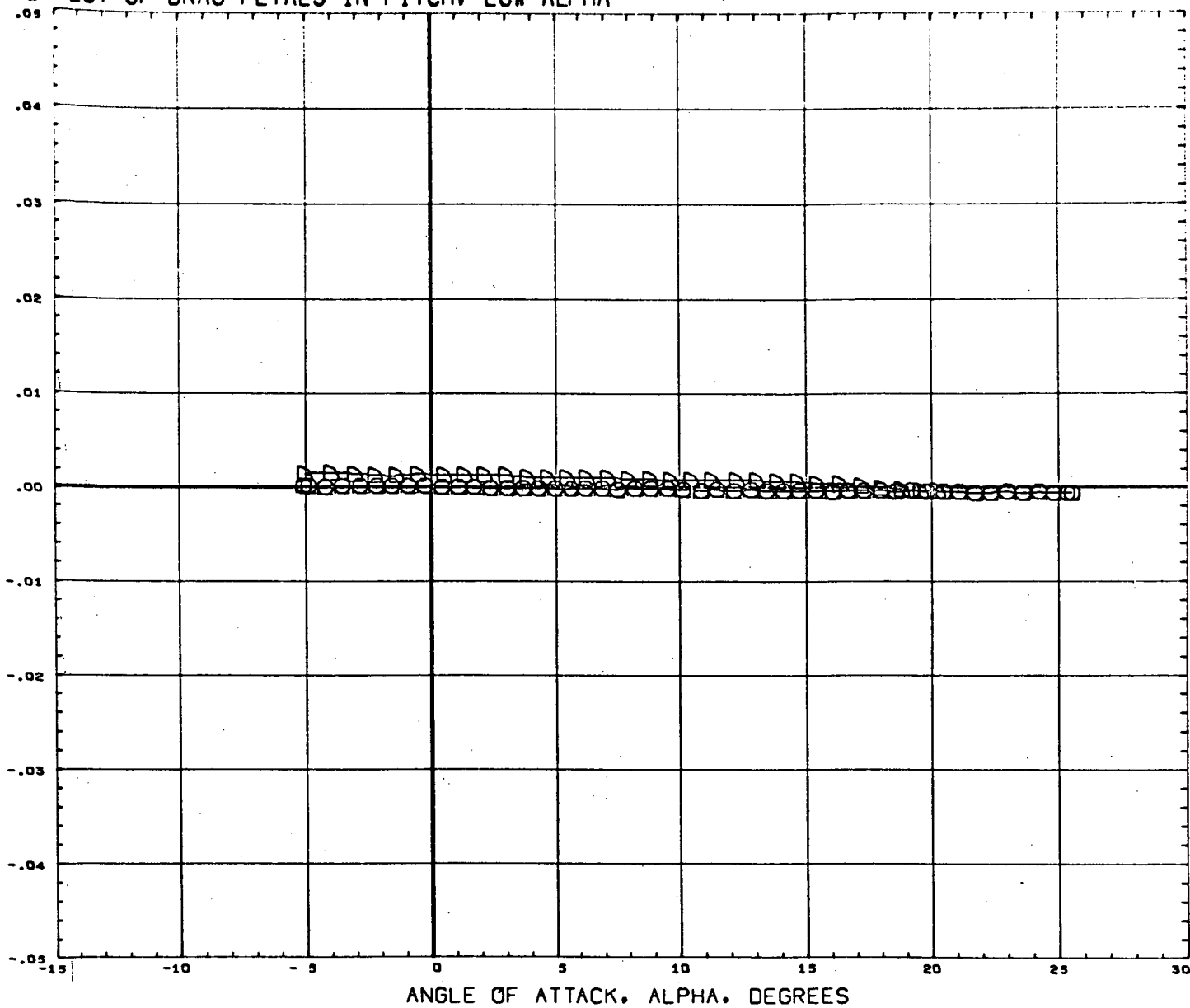
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



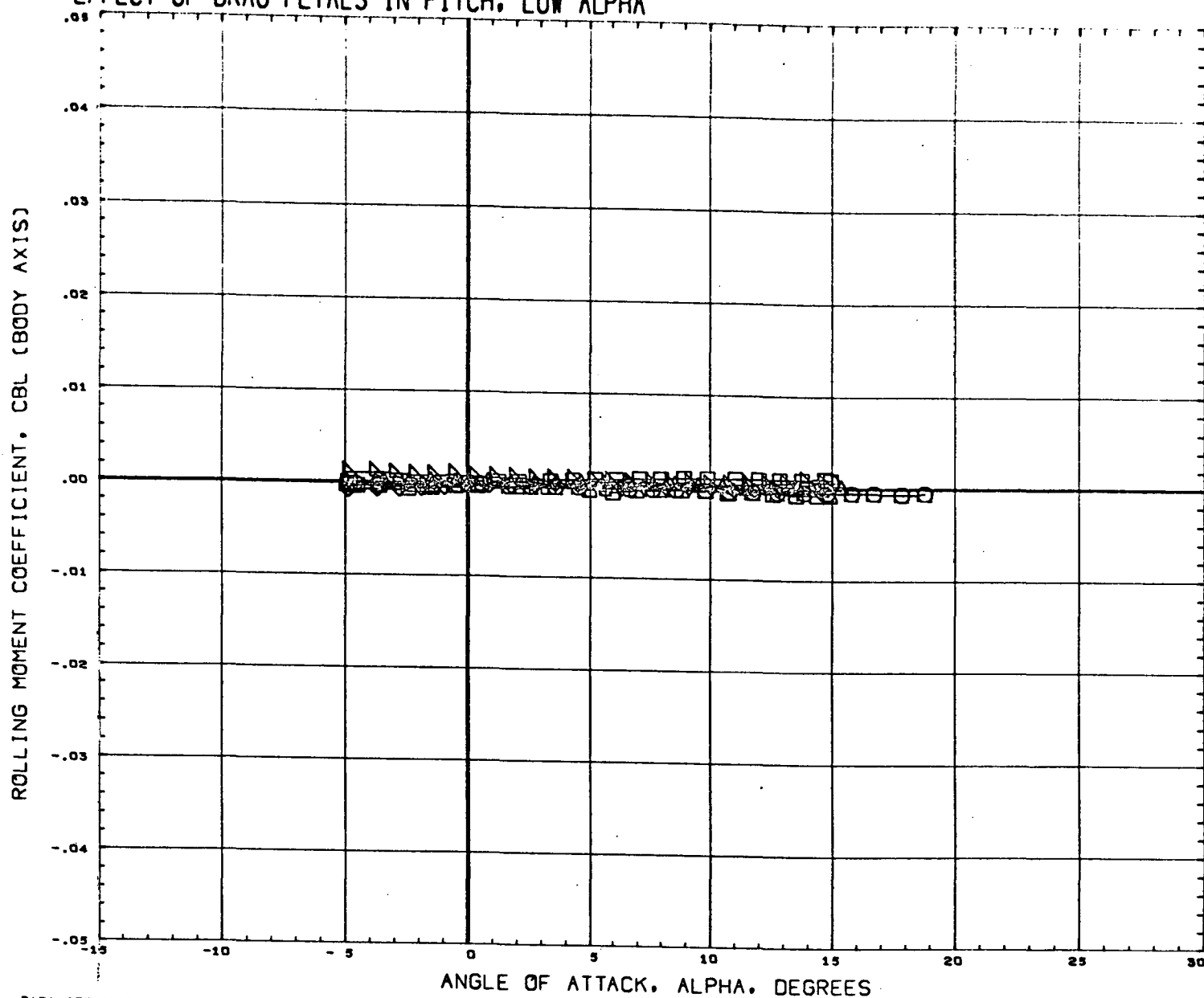
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000	
(CD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(CD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(CD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(CD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(CD8051)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD8001)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3
(WD8011)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D1
(WD8021)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D2
(WD8031)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D3
(RD8041)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D4
(BD8051)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D5

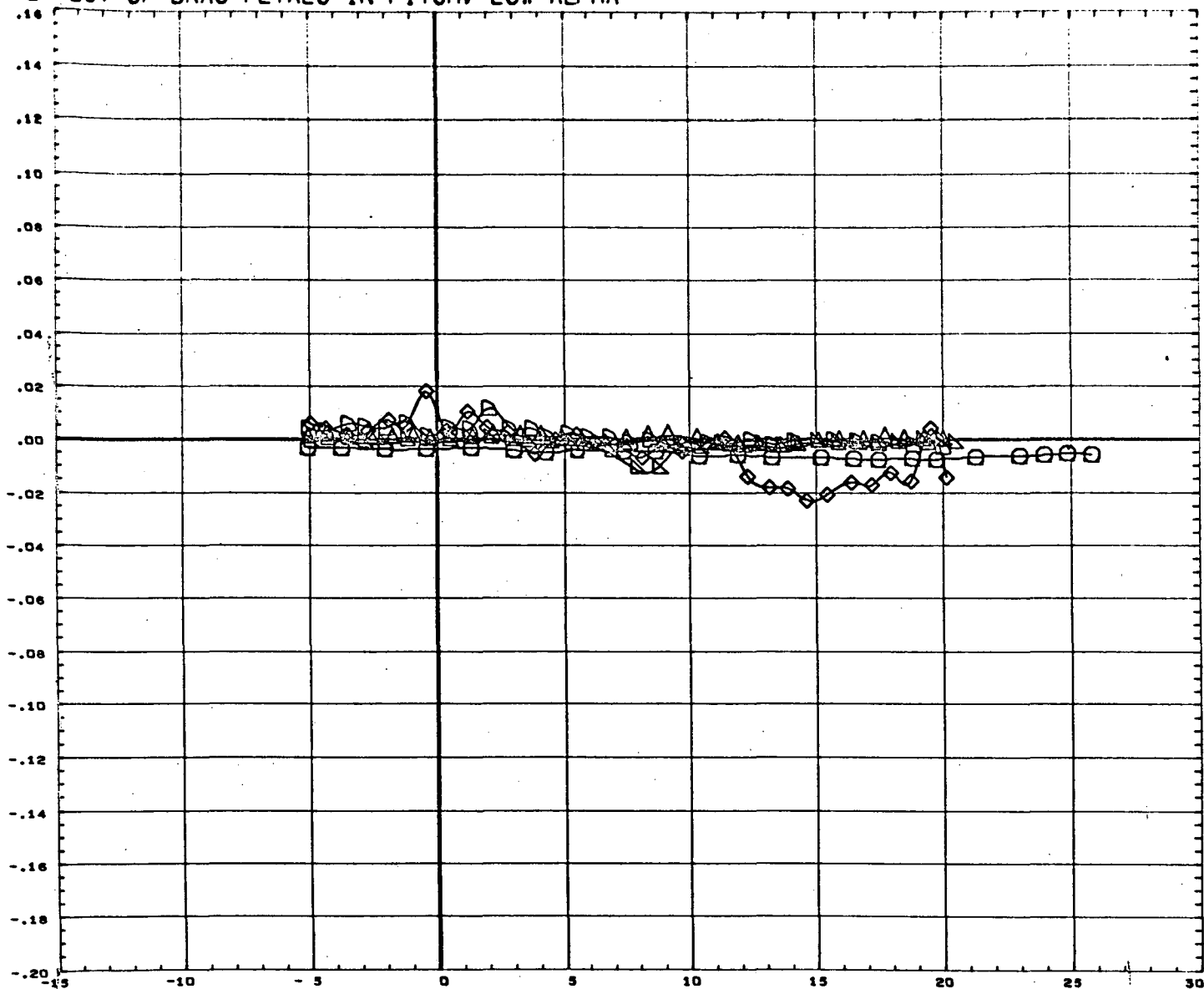
BETA	DELTA V
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0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XM RP	0.6000	LBODY
YM RP	0.0000	INCHES
ZM RP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C08001)	BTWT 1282/BSWT 557	PR-FED BRB	85S3
(W08011)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D1
(W08021)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D2
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS		
(R08041)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D4
(R08051)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D5

BETA DELTAV

0.000  
0.000  
0.000  
0.000  
0.000  
0.000

REFERENCE INFORMATION

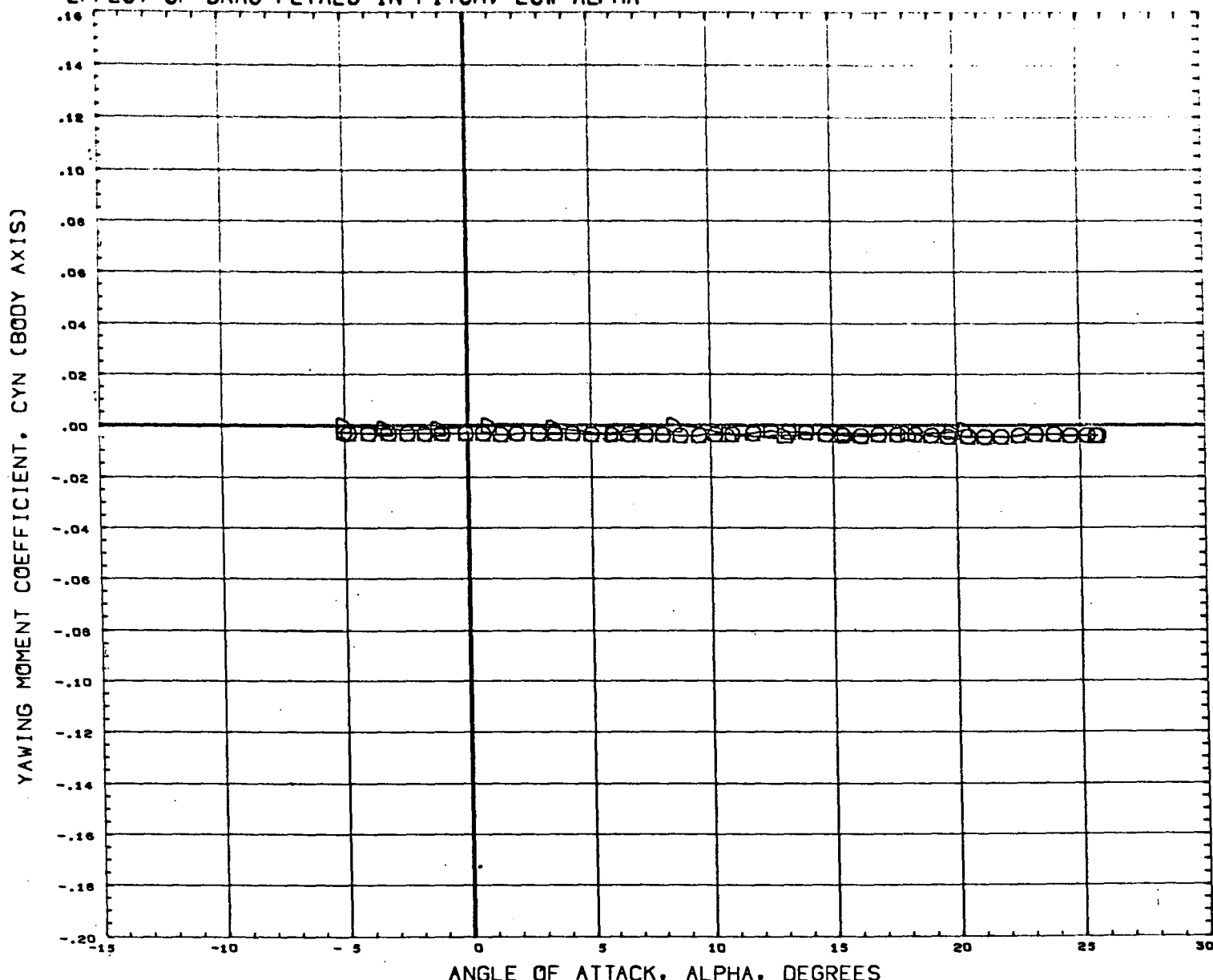
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH

1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



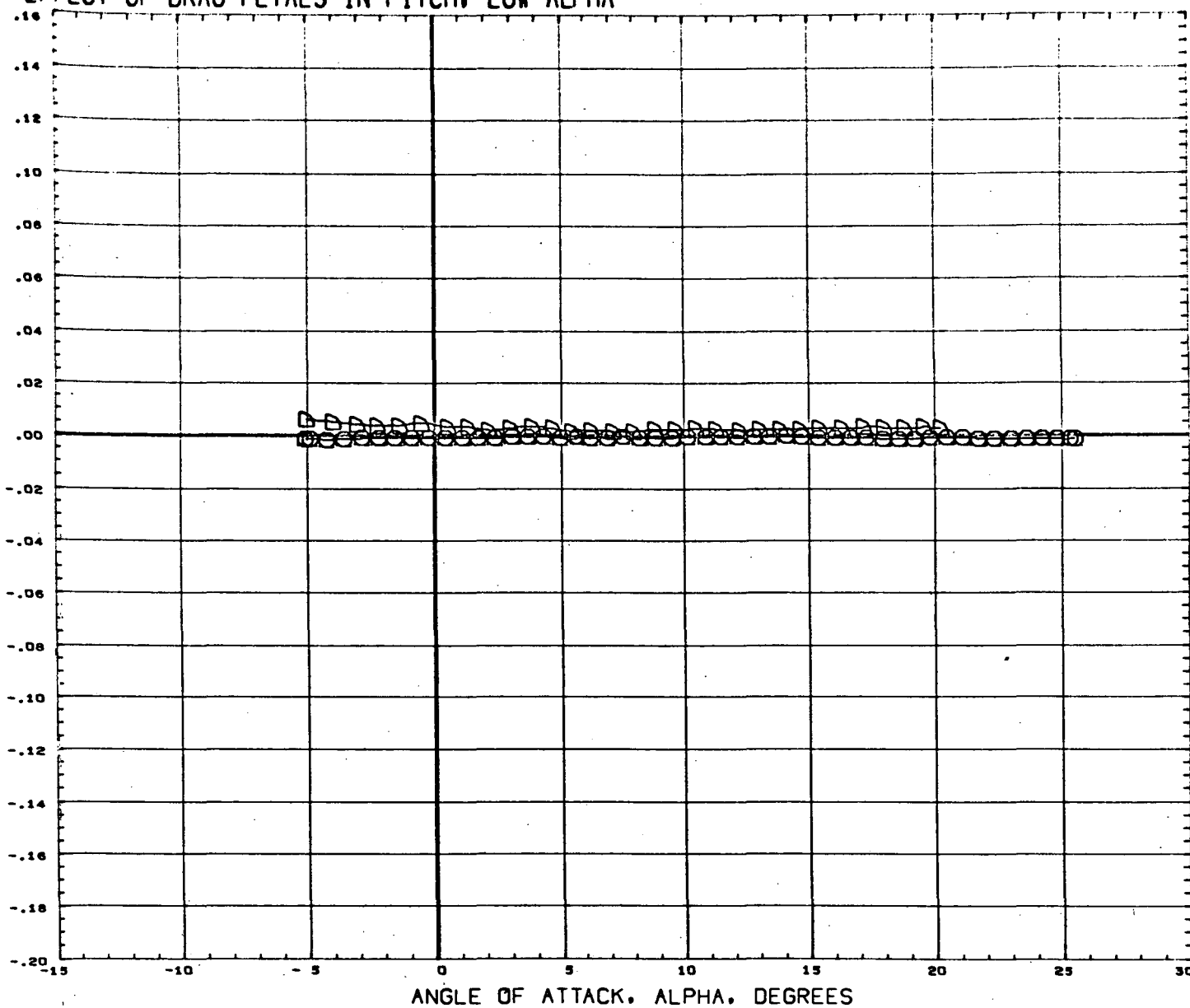
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF	9.7500 SQ. IN.
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6830 INCHES
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		BREF	14.6830 INCHES
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(RD9041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		YMRP	0.0000 INCHES
(BD9051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



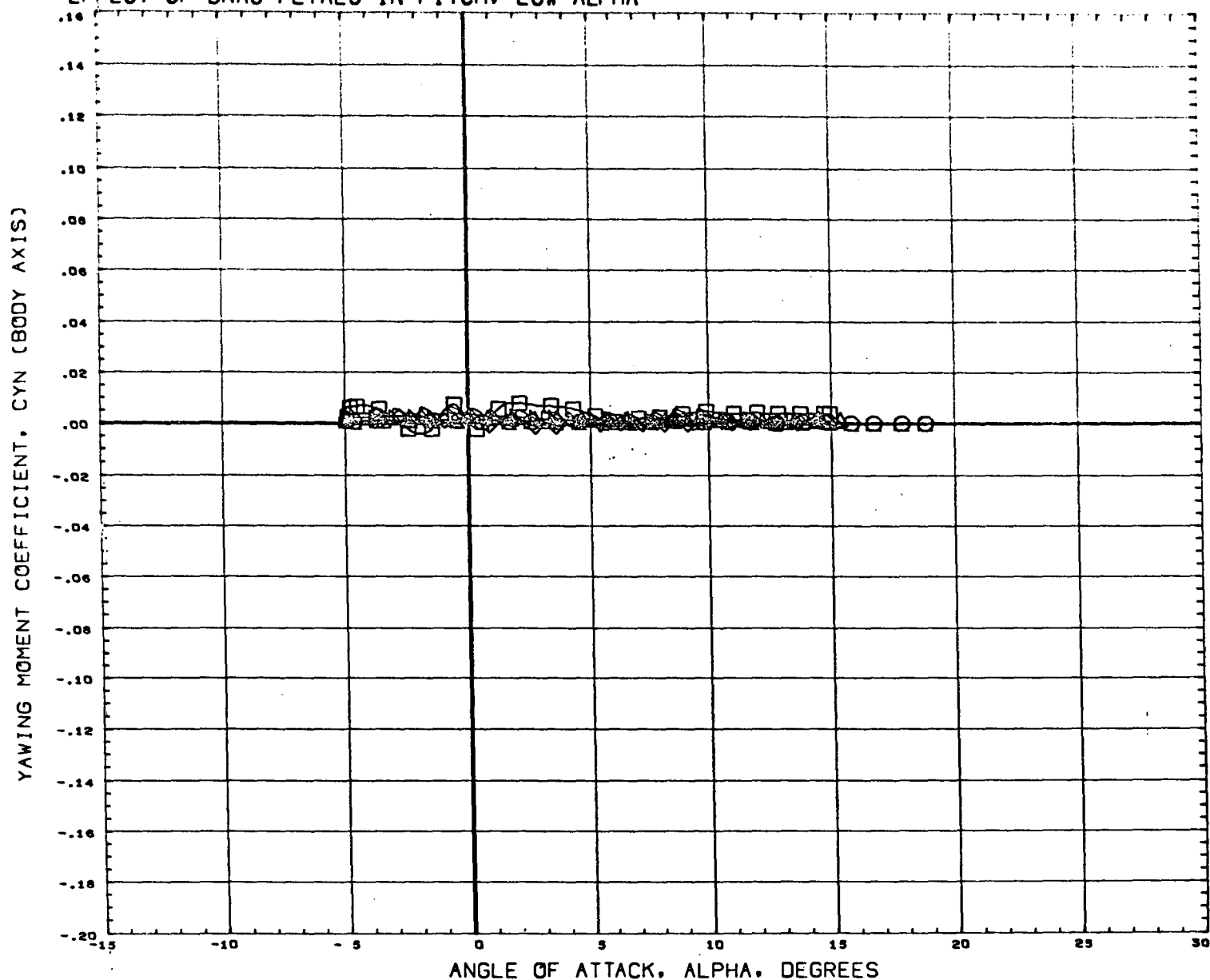
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000	
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(ED8051)	BTWT 1282/BSWT 557 PR-FED BRB B553D5	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.8000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF 9.7500 SQ. IN.
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1	0.000		LREF 14.6830 INCHES
(WD8021)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D2	0.000		BREF 14.6830 INCHES
(WD8031)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3	0.000		XMRP 0.6000 LBODY
(RD8041)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4	0.000		YMRP 0.0000 INCHES
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

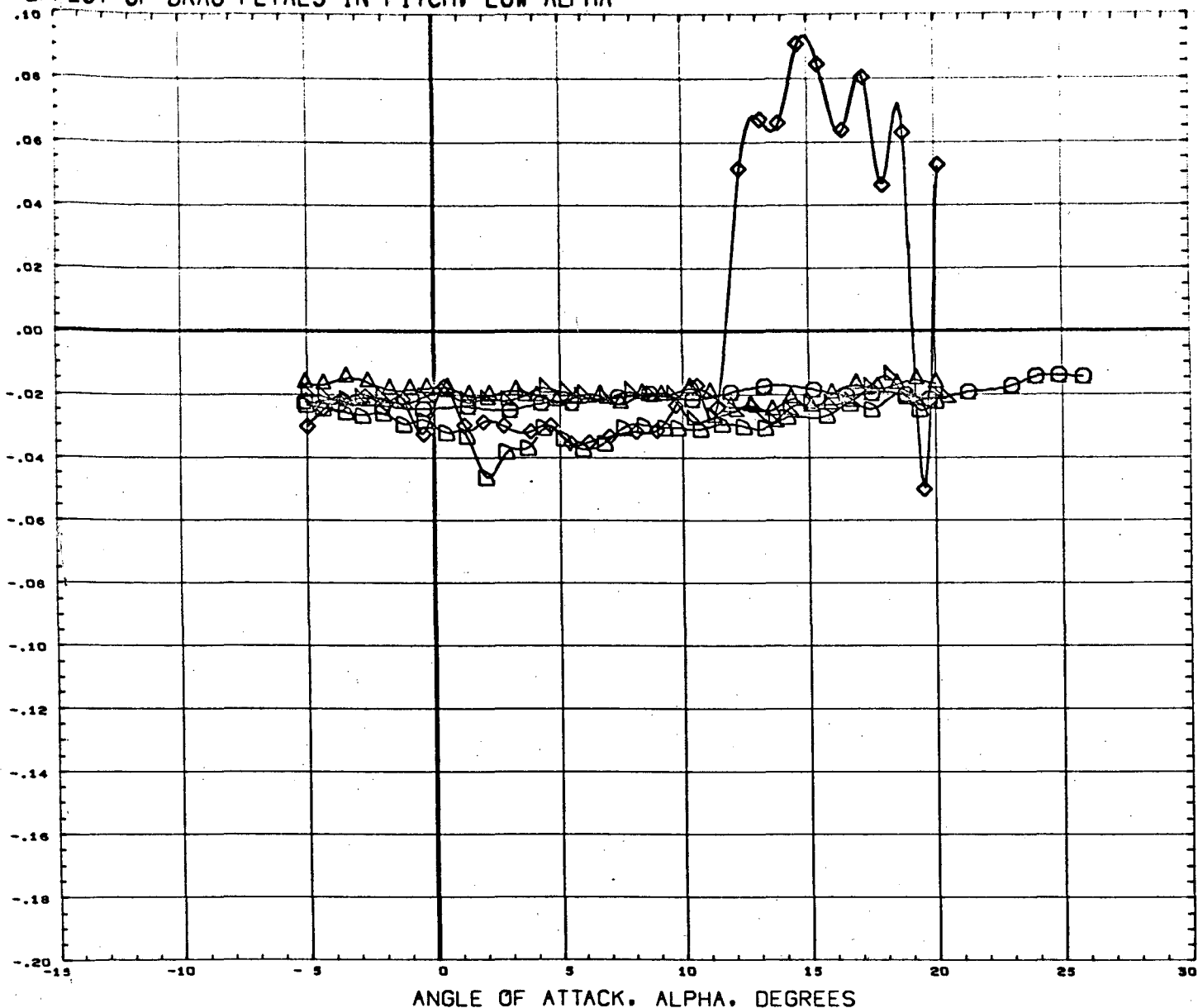
MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

LATERAL FORCE COEFFICIENT, CY



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1
(WD8021)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D2
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8041)	BTWT 1282/BSWT 557 PR-FED BRB B5S304
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305

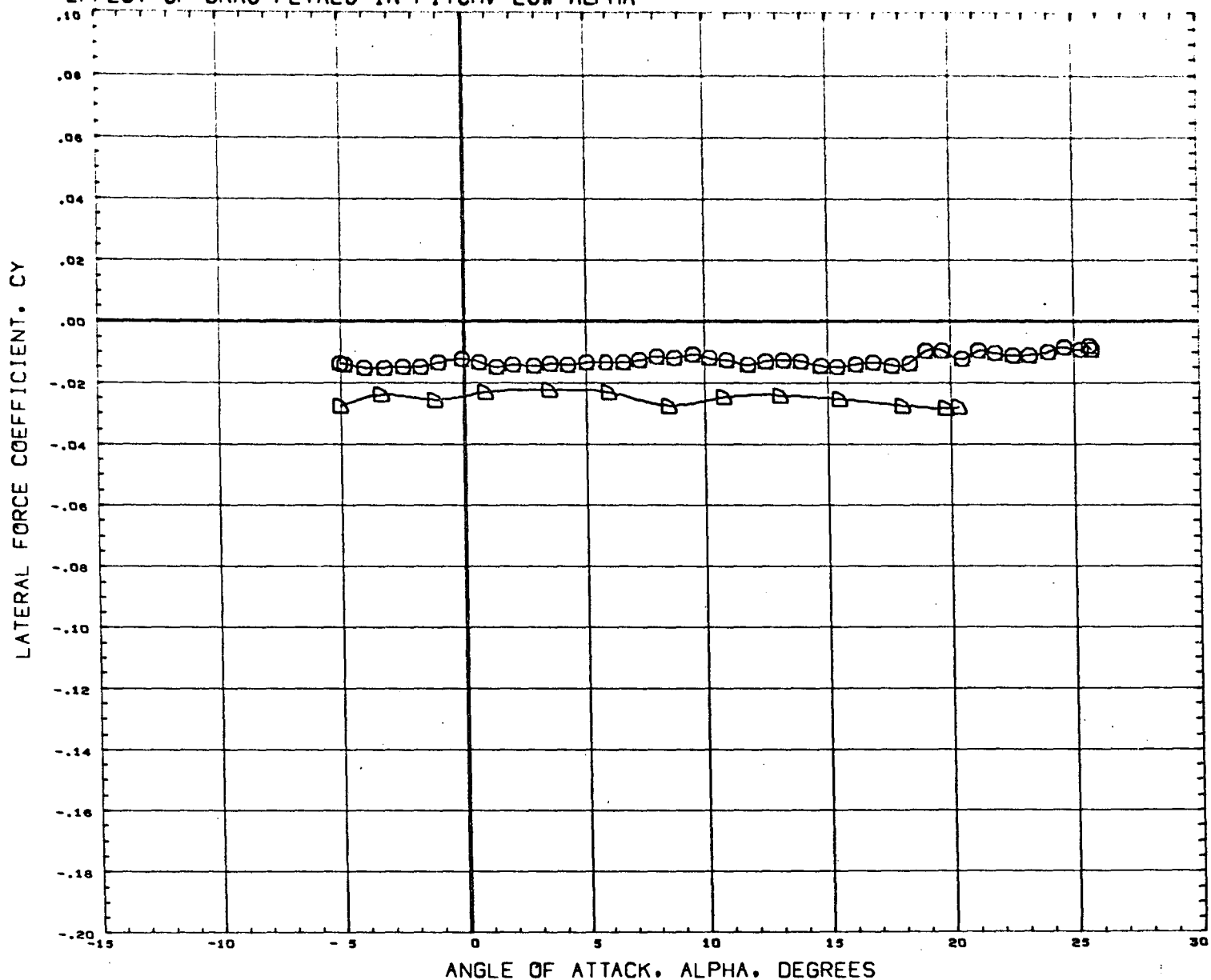
BETA	DELTAV
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0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	50 IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000	
(WD9011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD9021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD9031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD9041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(SD9051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000	

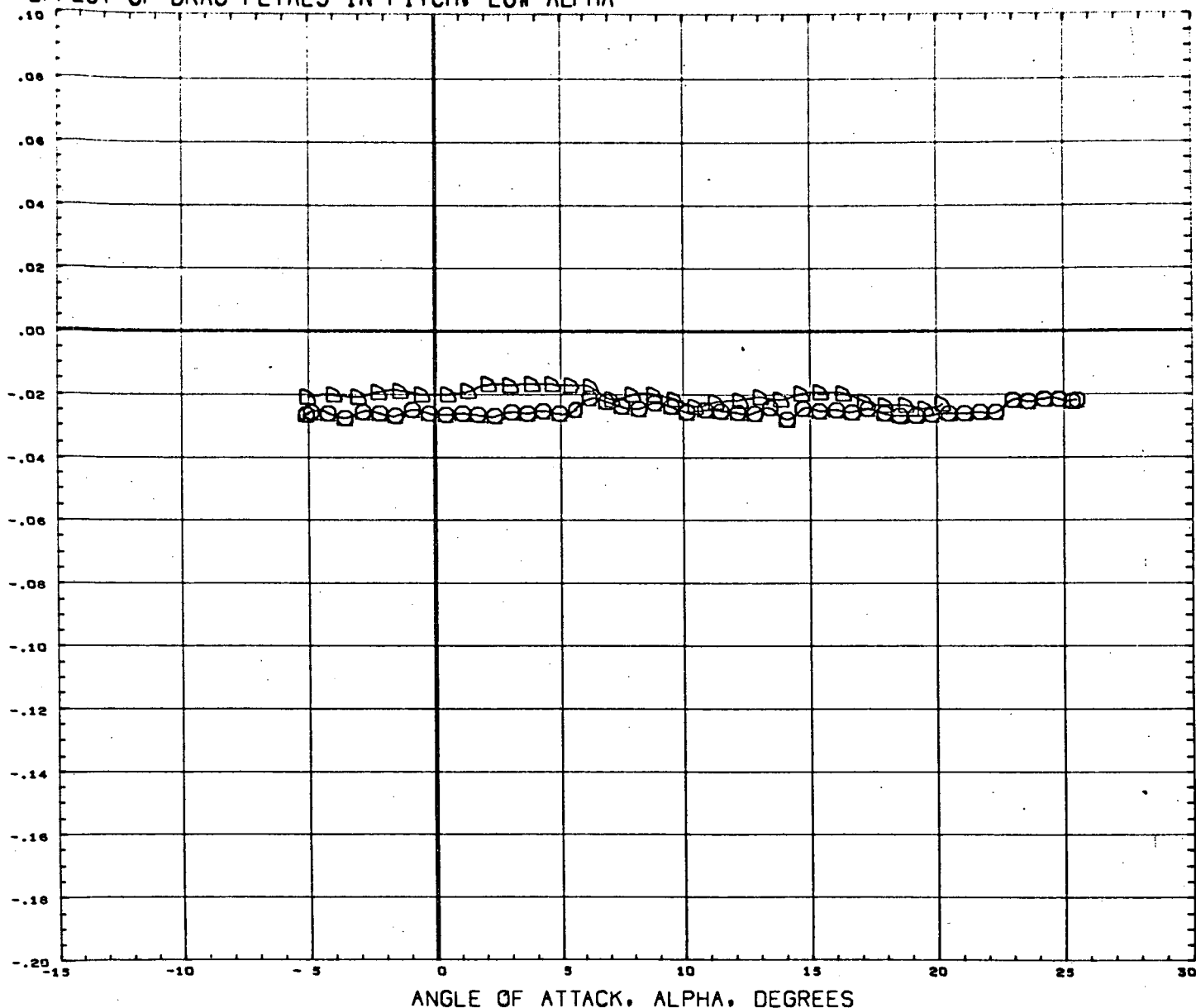
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA

LATERAL FORCE COEFFICIENT, CY



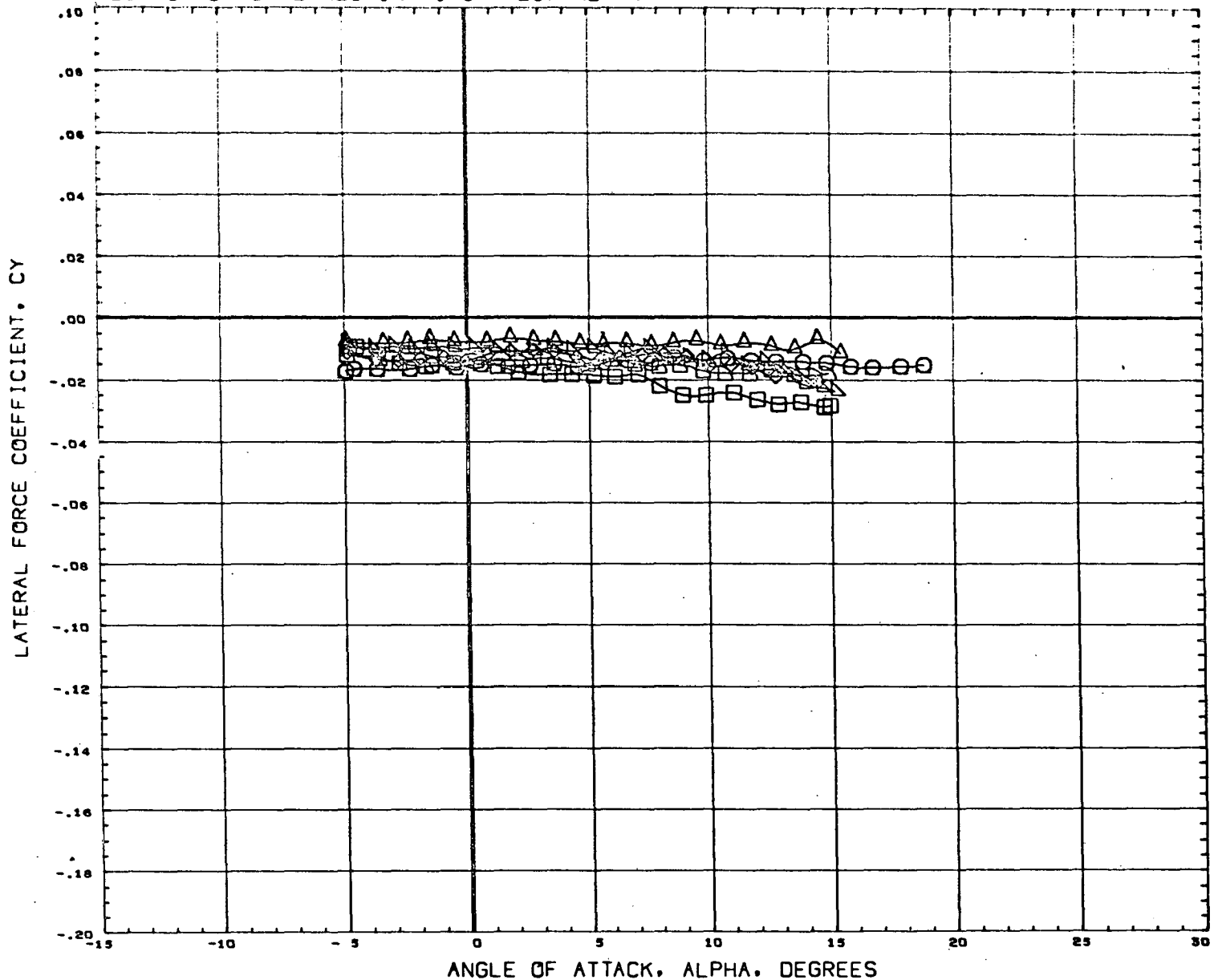
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000	
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8021)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8041)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

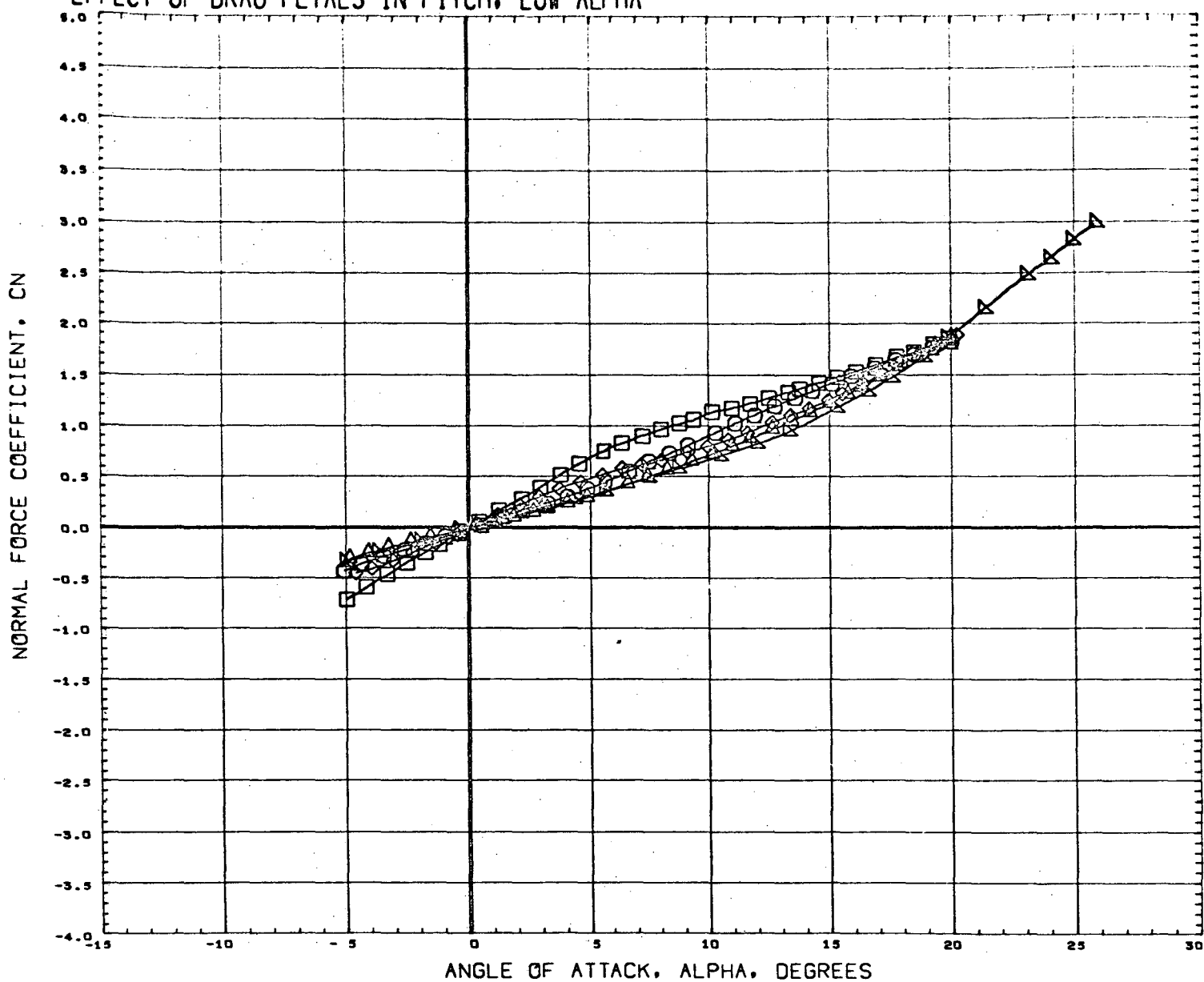


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB B5S301	0.000		LREF 14.6830 INCHES
(WD8021)	BTWT 1282/BSWT 557 PR-FED BRB B5S302	0.000		BREF 14.6830 INCHES
(WD8031)	BTWT 1282/BSWT 557 PR-FED BRB B5S303	0.000		XMRF 0.6000 LBODY
(RD8041)	BTWT 1282/BSWT 557 PR-FED BRB B5S304	0.000		YMRF 0.0000 INCHES
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

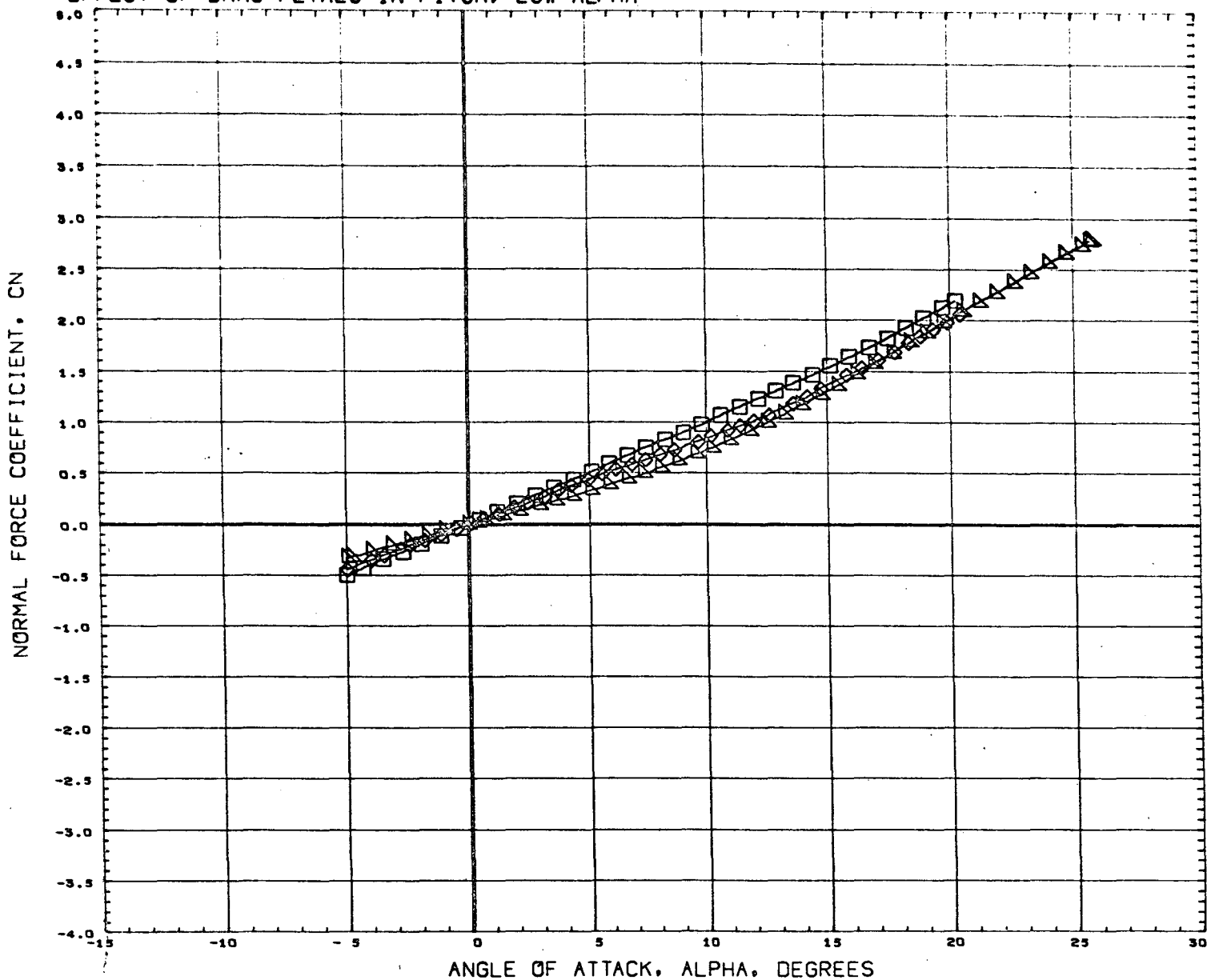


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1	0.000		SREF 9.7500 SQ. IN.
(R08091)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.1	0.000		LREF 14.6830 INCHES
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000		BREF 14.6830 INCHES
(R08151)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3	0.000		XMRP 0.6000 LBODY
(C09001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



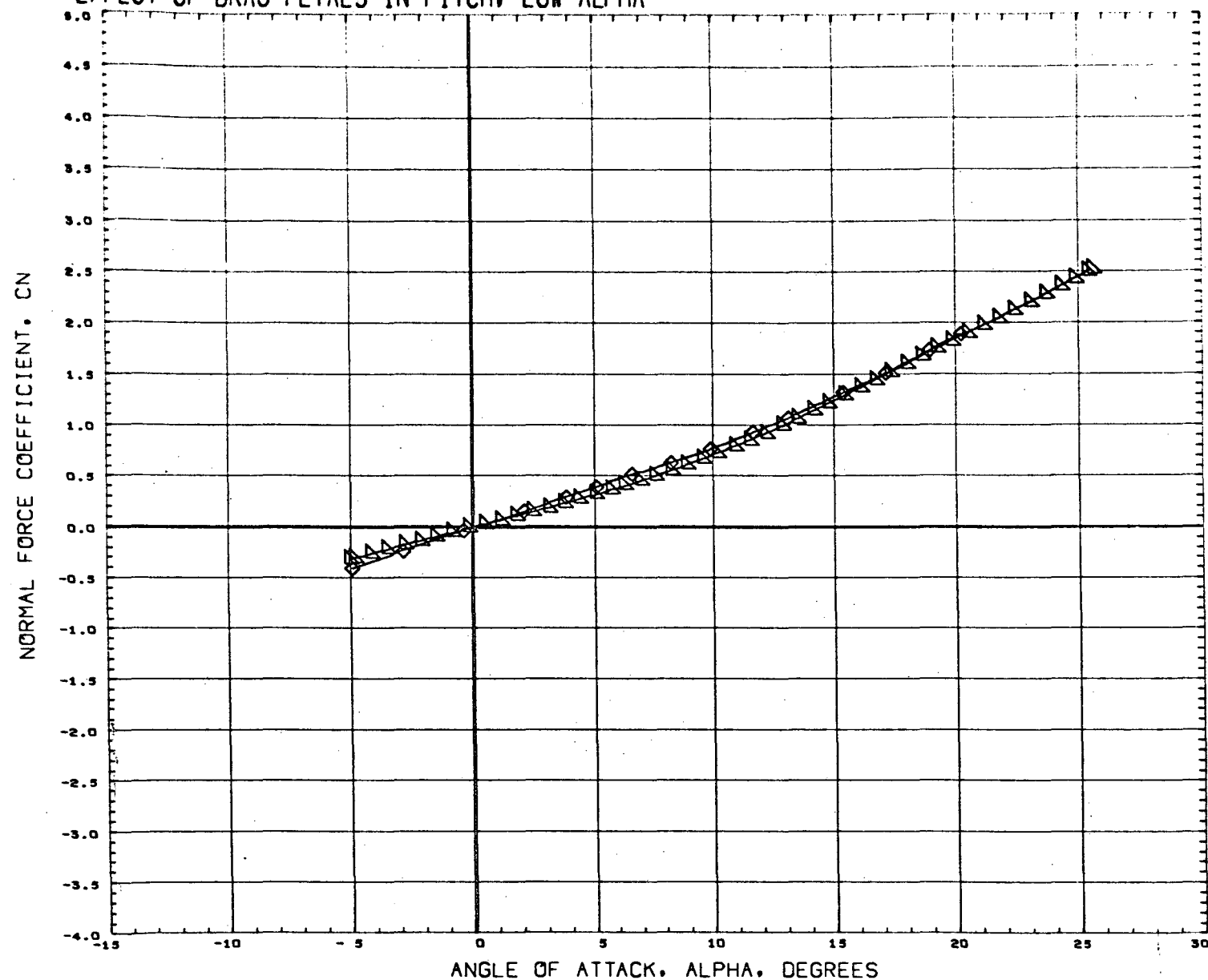
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000	
(R08151)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3	0.000	
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



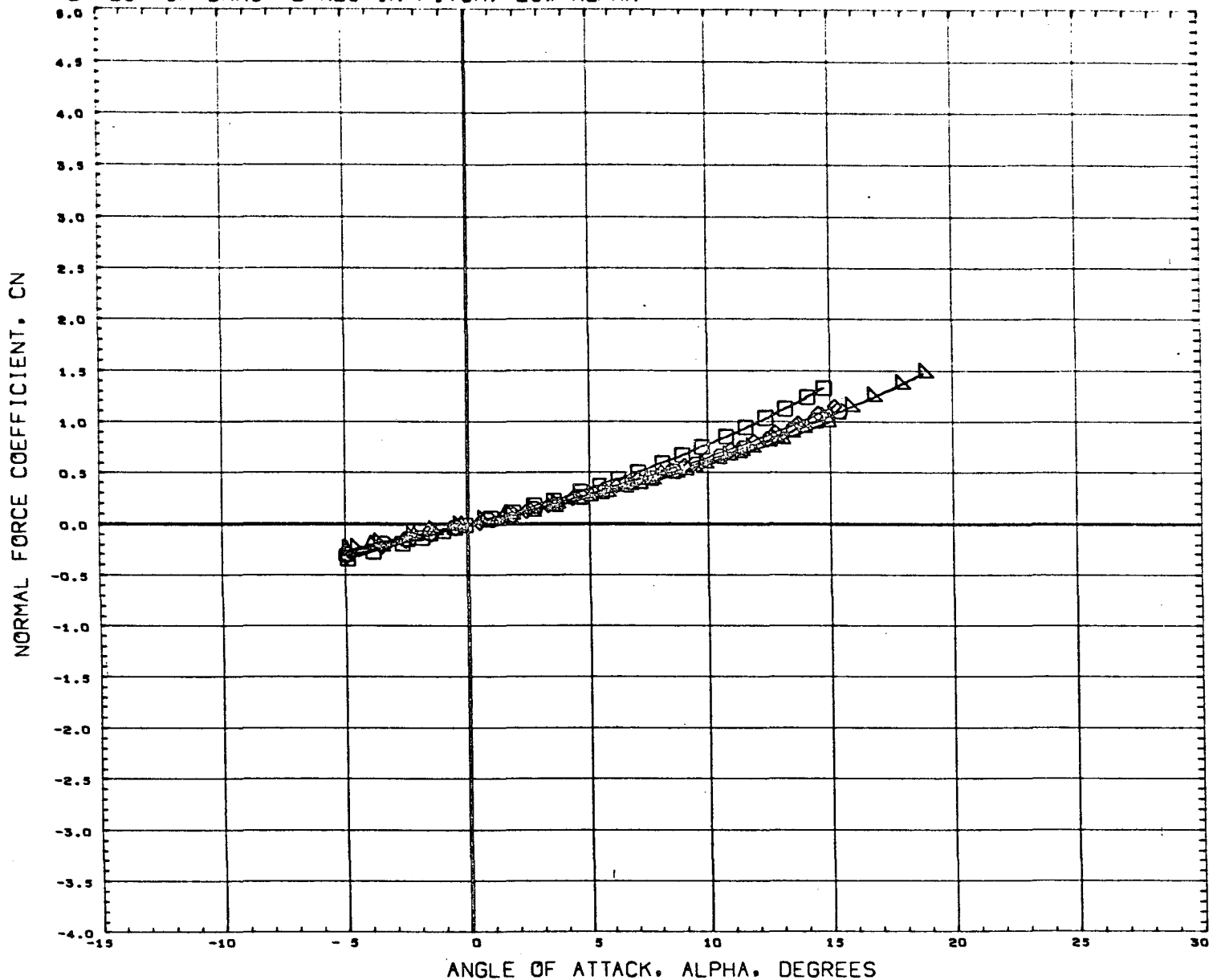
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000	
(R08151)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1
(R08091)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.1
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2
(R08151)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

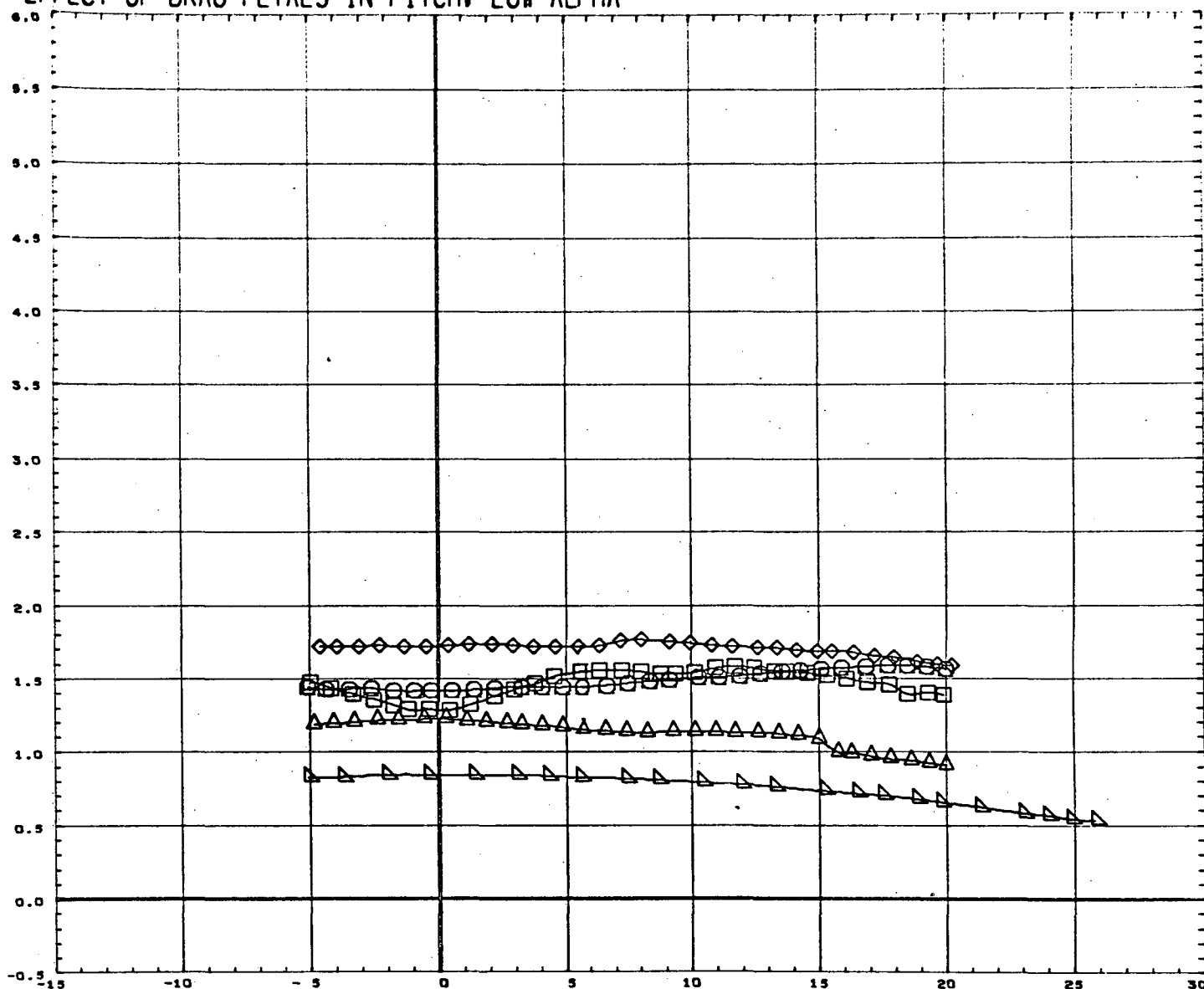
MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1
(RD8091)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.1
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2
(RD8151)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3

BETA	DELTA V
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

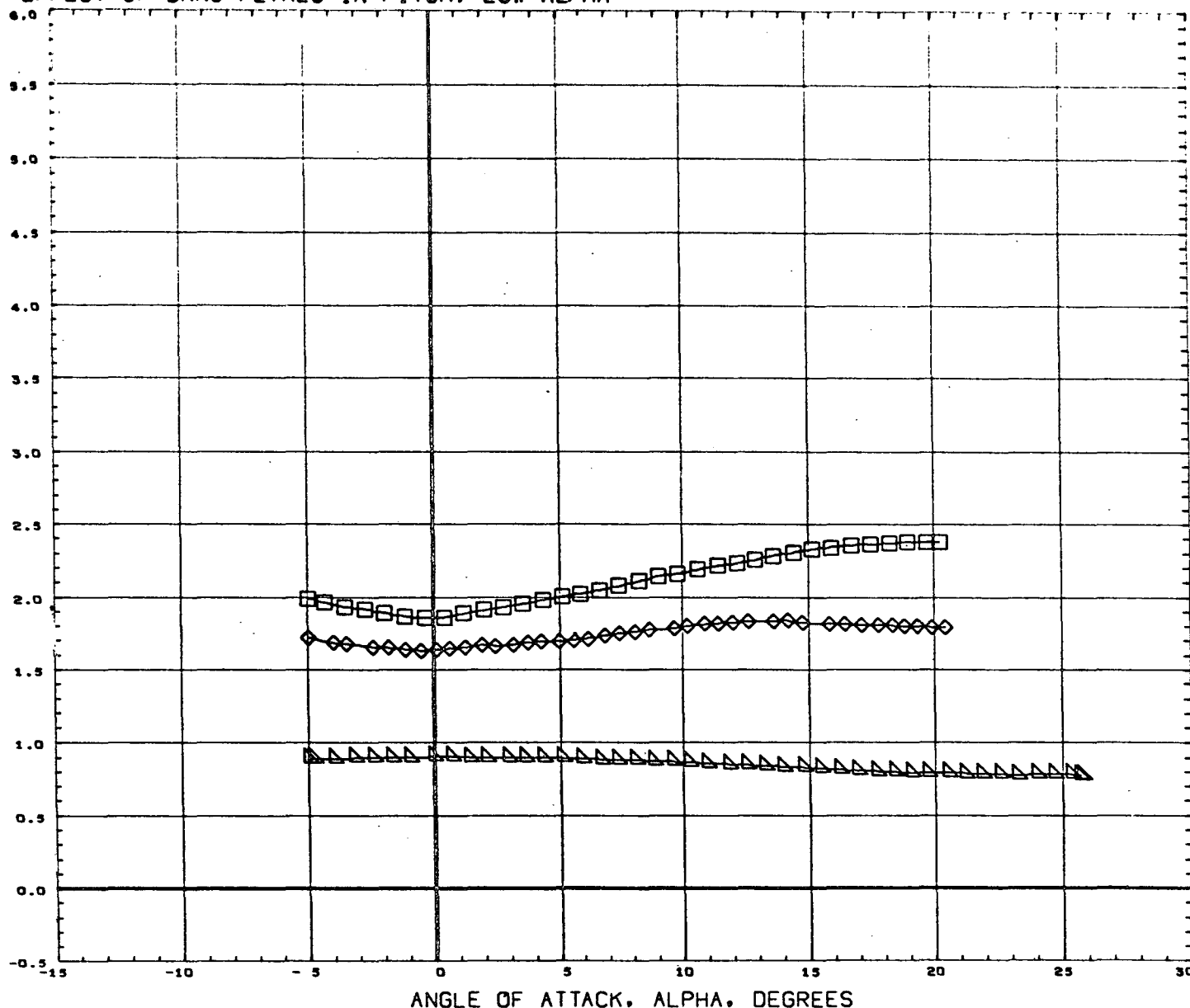
MACH

1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8091)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.2
(RD8151)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.3
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3

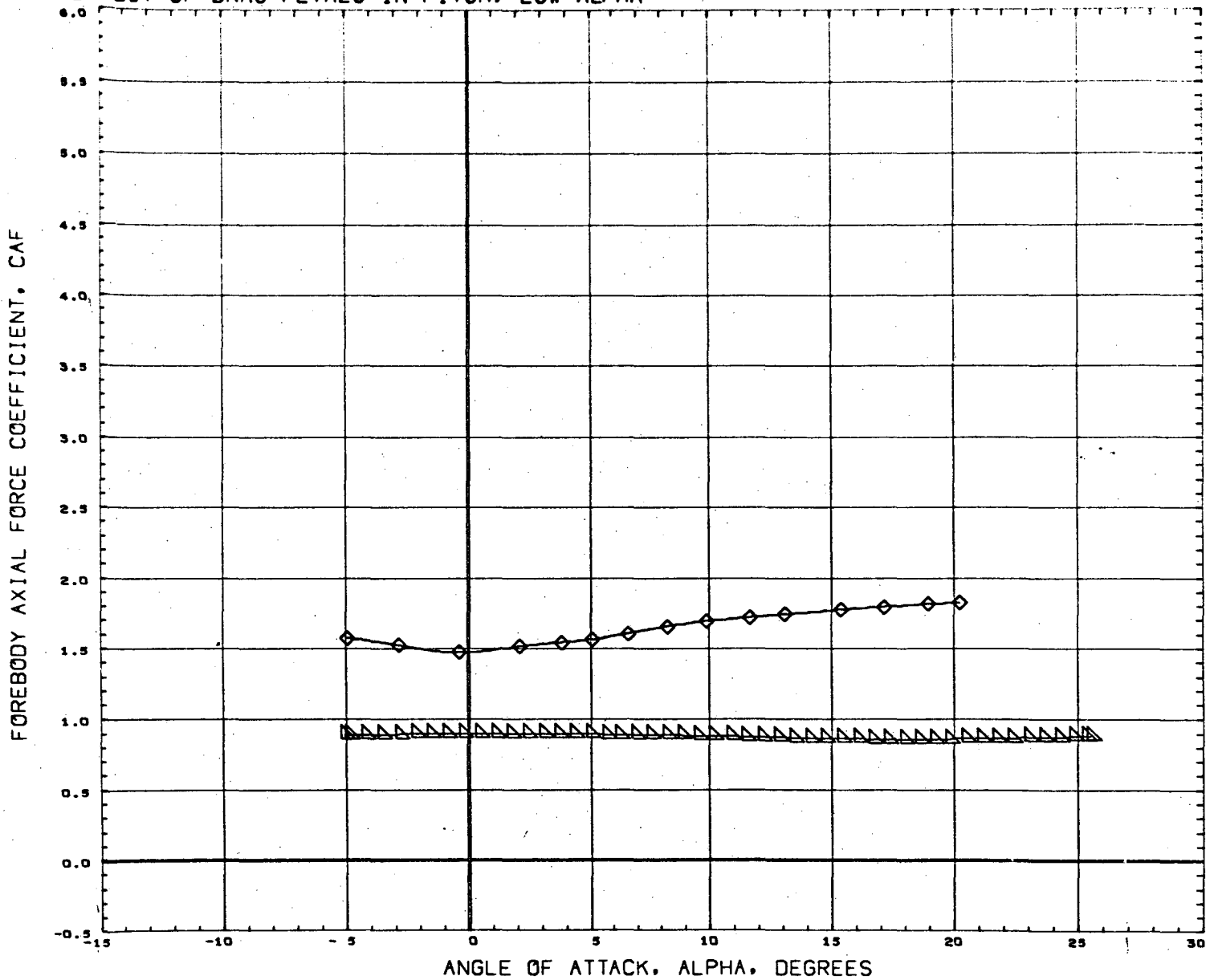
BETA	DELTAV
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0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

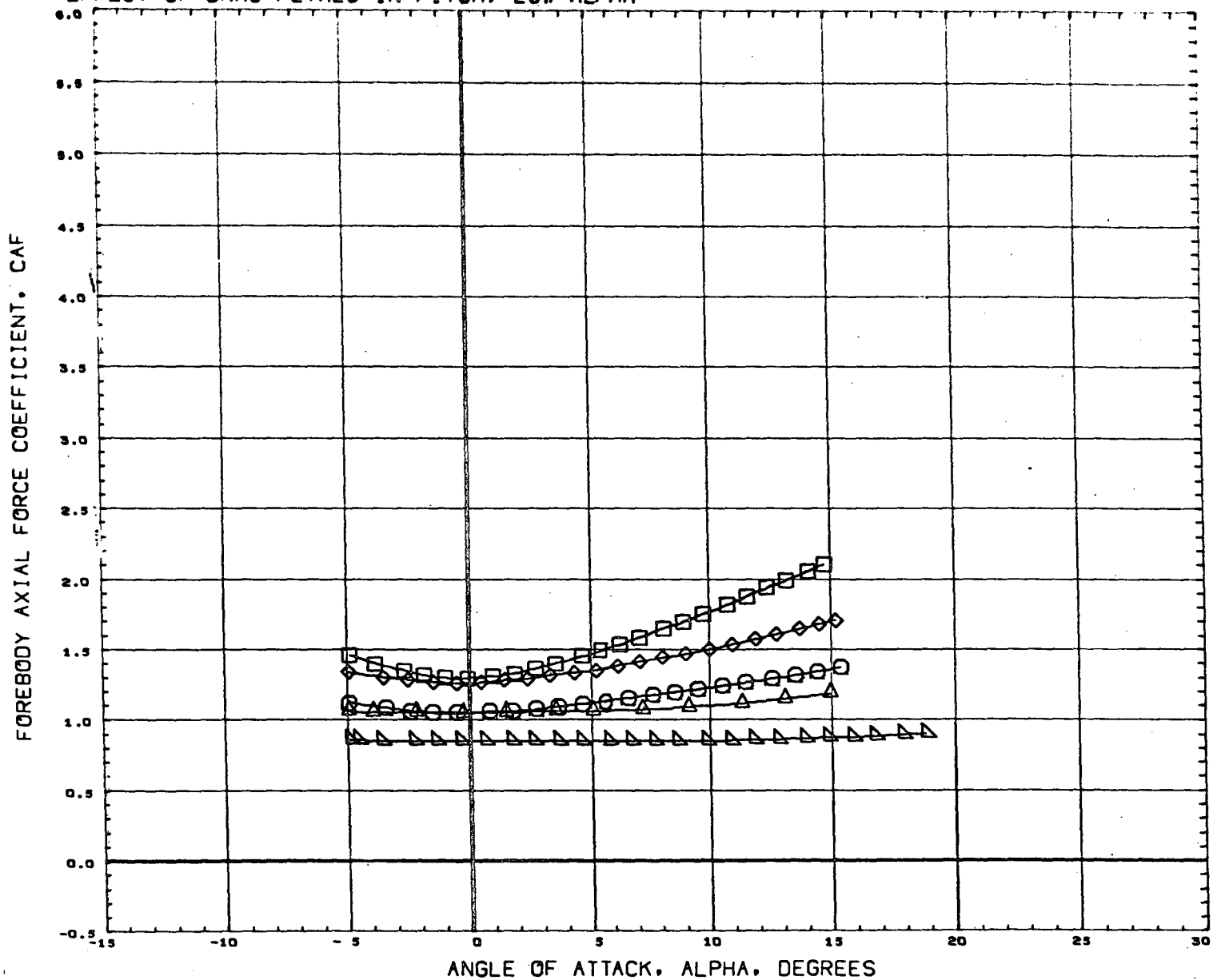


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(RD8091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6830 INCHES
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000		BREF	14.6830 INCHES
(RD8151)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XM RP	0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YM RP	0.0000 INCHES
				ZM RP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

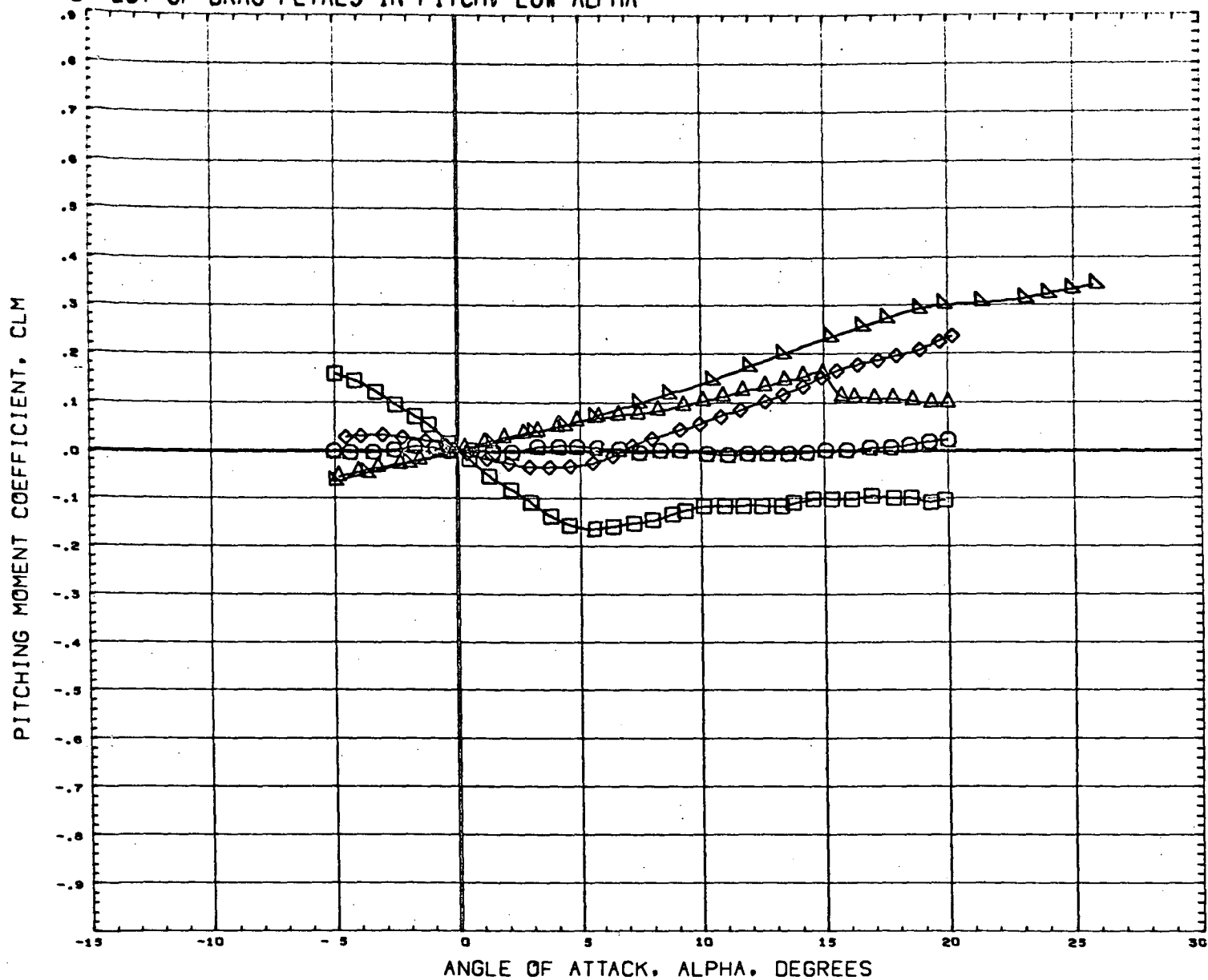


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1	0.000		SREF 9.7500 SQ. IN.
(RD8091)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.1	0.000		LREF 14.6830 INCHES
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.2	0.000		BREF 14.6830 INCHES
(RD8151)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.3	0.000		XMRP 0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



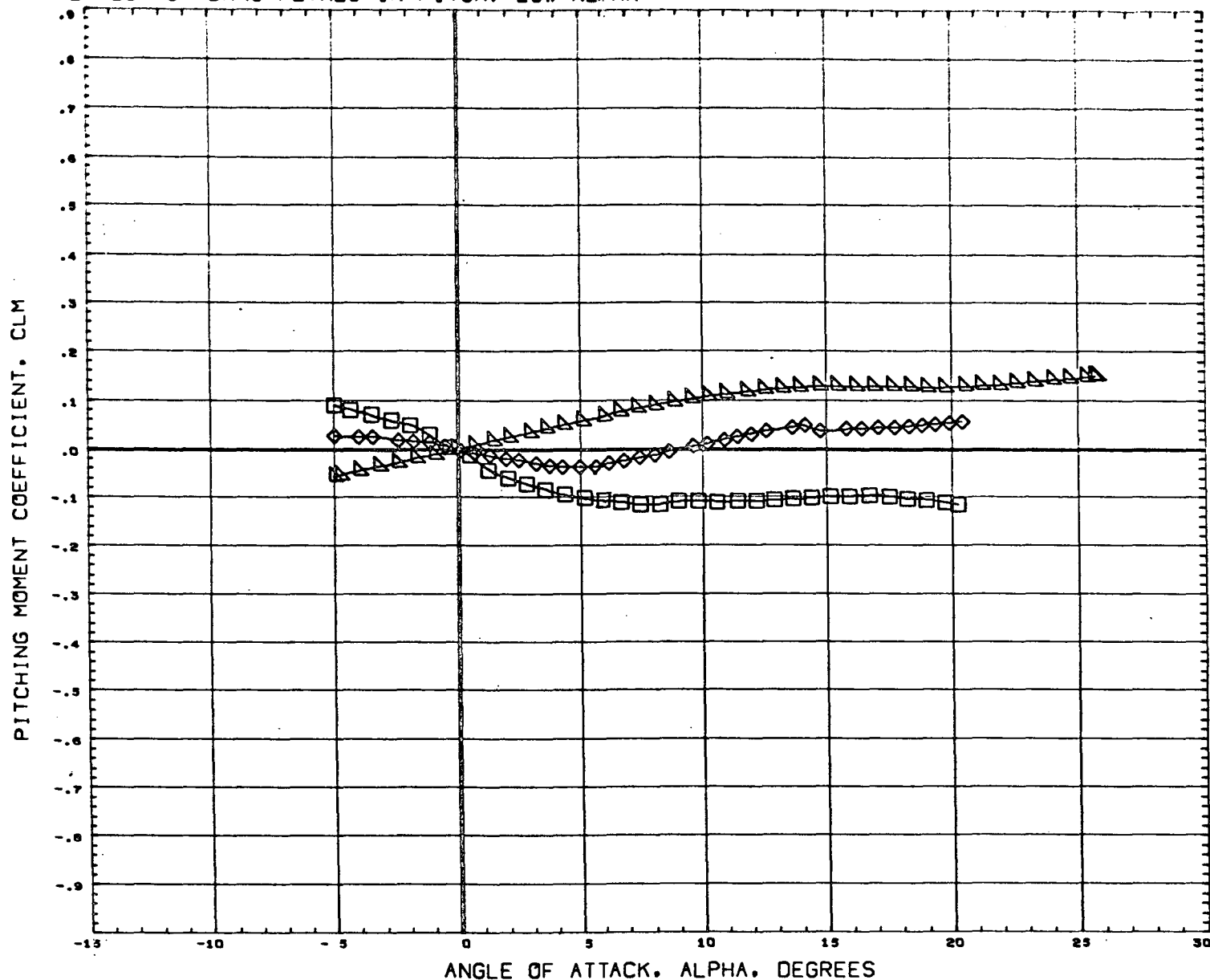
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION		
(W08011)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D1		0.000		SREF	9.7500	SQ. IN.
(R08091)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D1.1		0.000		LREF	14.6630	INCHES
(R08121)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D1.2		0.000		BREF	14.6630	INCHES
(R08151)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D1.3		0.000		XMRF	0.6000	LBODY
(C08001)	BTWT 1282/BSWT 557	PR-FED BRB	85S3		0.000		YMRF	0.0000	INCHES
							ZMRF	0.0000	INCHES
							SCALE	0.8899	PERCNT

MACH

1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

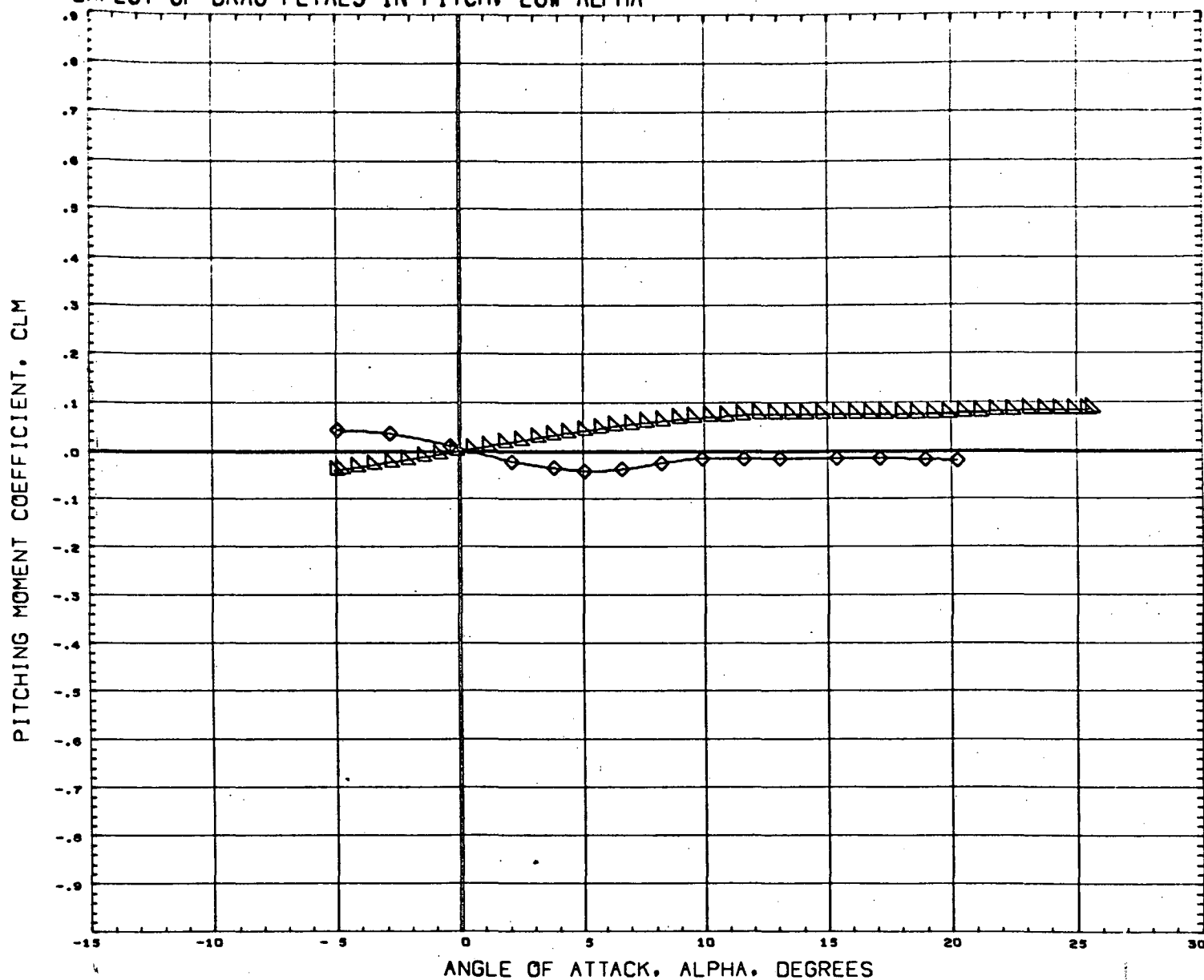


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF 9.7500 SQ. IN.
(R08091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF 14.6830 INCHES
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000		BREF 14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3	0.000		XMRP 0.0000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



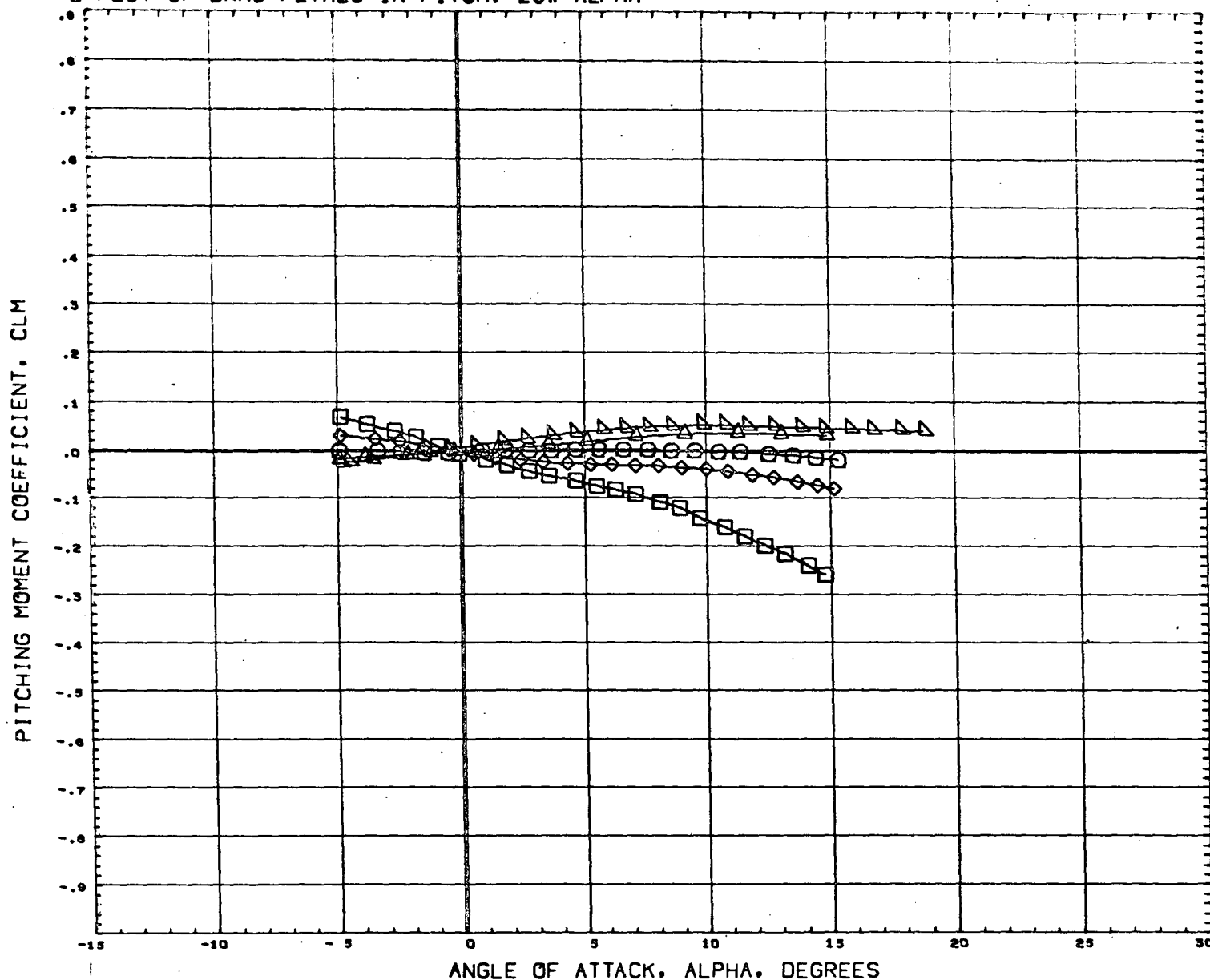
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000	
(RD8151)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



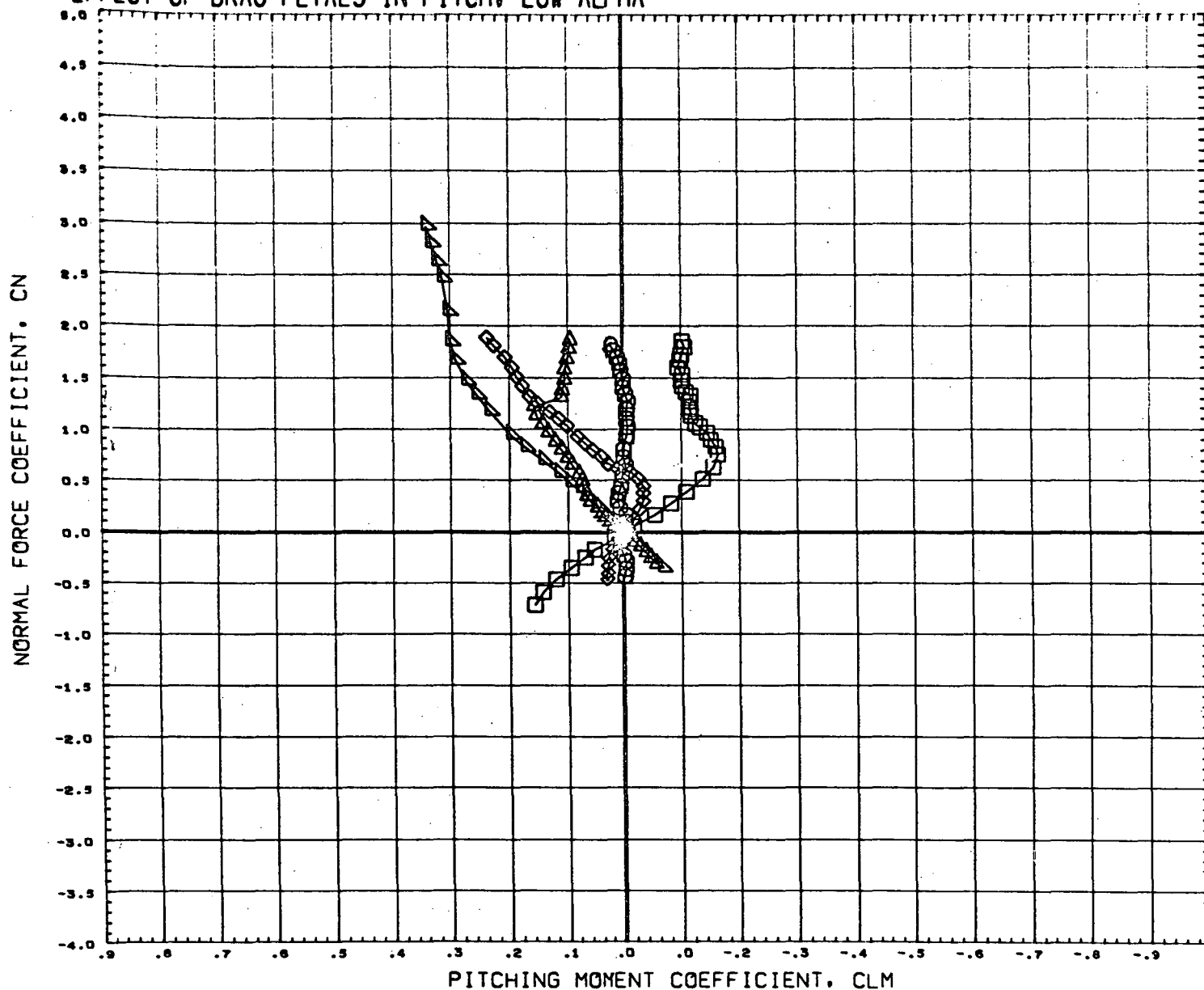
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD8011)	BTWT 1282/BSWT 557 PR-FED BRB 85S301	0.000		SREF 9.7500 SQ. IN.
(RD8091)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.1	0.000		LREF 14.6830 INCHES
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.2	0.000		BREF 14.6830 INCHES
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.3	0.000		XMRP 0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

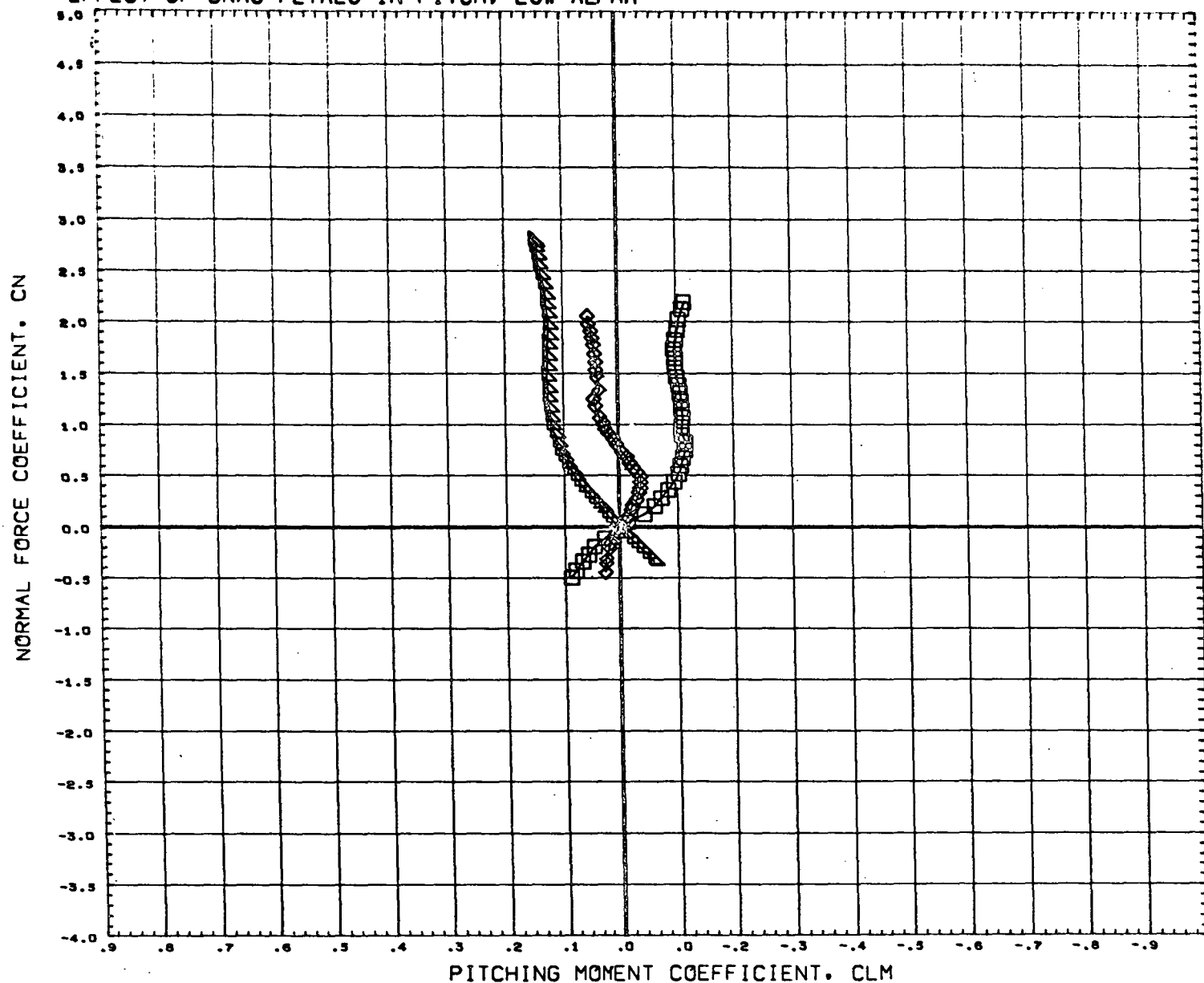


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1	0.000		SREF 9.7500 SQ. IN.
(R08091)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.1	0.000		LREF 14.6830 INCHES
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000		BREF 14.6830 INCHES
(R08151)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3	0.000		XMRP 0.0000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL  
(WD8011)  
(RD8091)  
(RD8121)  
(RD8151)  
(CD8001)

DRAG  
PETALS

## CONFIGURATION DESCRIPTION

DATA NOT AVAILABLE FOR ALL CONDITIONS  
DATA NOT AVAILABLE FOR ALL CONDITIONS  
BTWT 1282/BSWT 557 PR-FED BRB B553D1.2  
BTWT 1282/BSWT 557 PR-FED BRB B553D1.3  
BTWT 1282/BSWT 557 PR-FED BRB B553

## BETA DELTAV

0.000  
0.000  
0.000  
0.000  
0.000

## REFERENCE INFORMATION

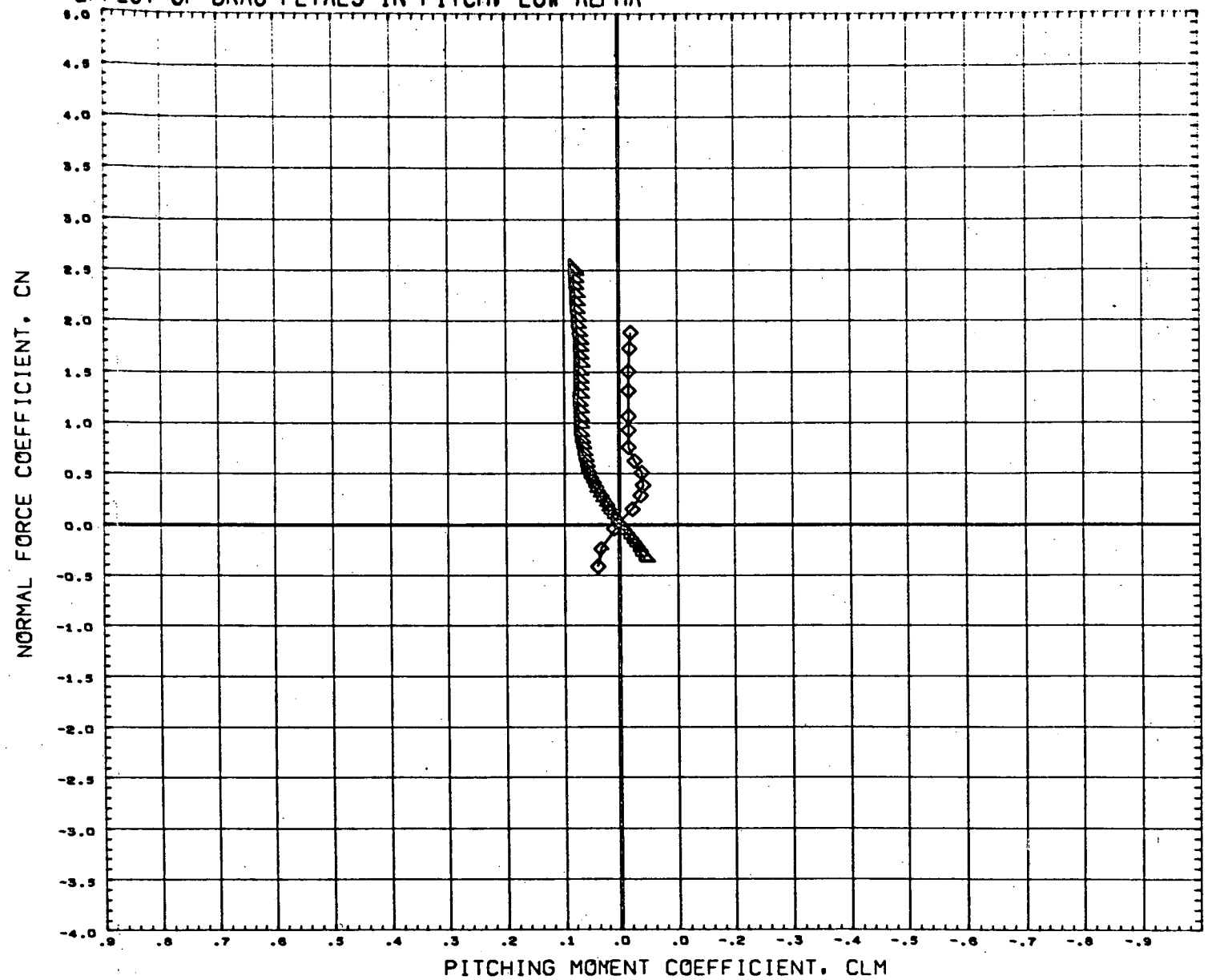
SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LB/COY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

MACH

2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08011)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD0091)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD0121)	BTWT 1282/BSWT 557 PR-FED BRB B3S3D1.2
(RD0151)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD0001)	BTWT 1282/BSWT 557 PR-FED BRB B3S3

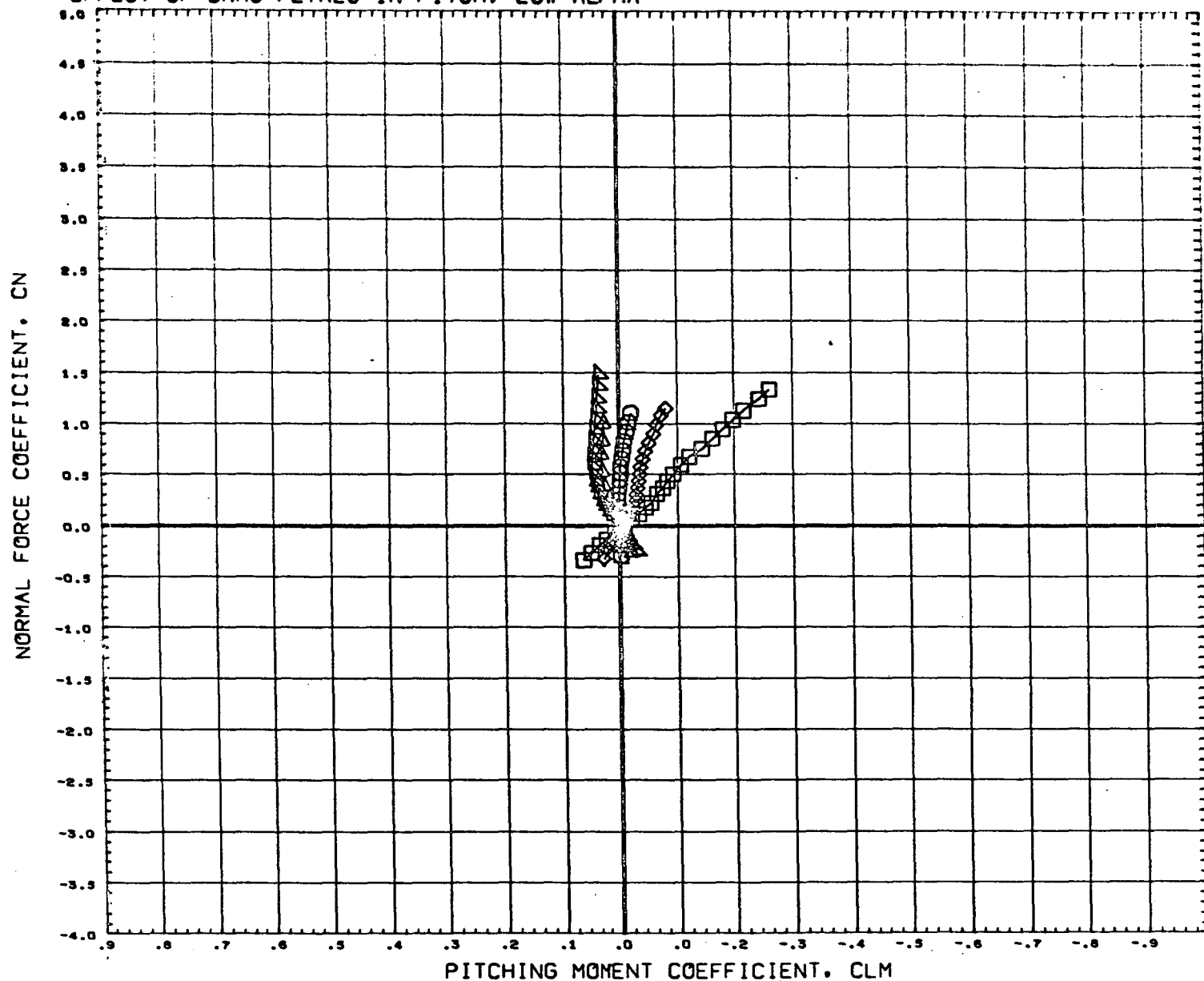
BETA	DELTA V
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



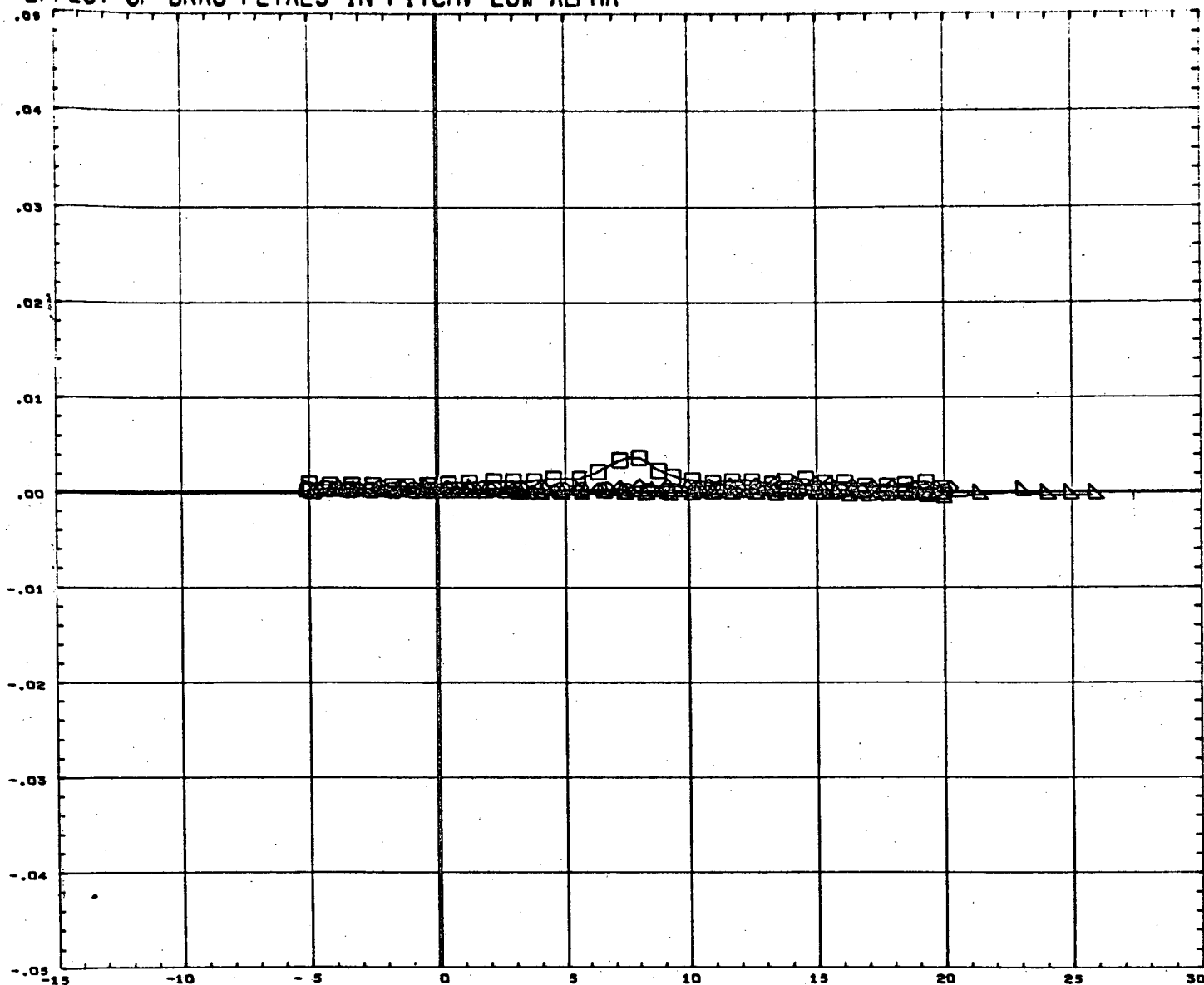
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1	0.000		SREF 9.7500 SQ. IN.
(R08091)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.1	0.000		LREF 14.6830 INCHES
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.2	0.000		BREF 14.6830 INCHES
(R08151)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.3	0.000		XMRP 0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.6899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

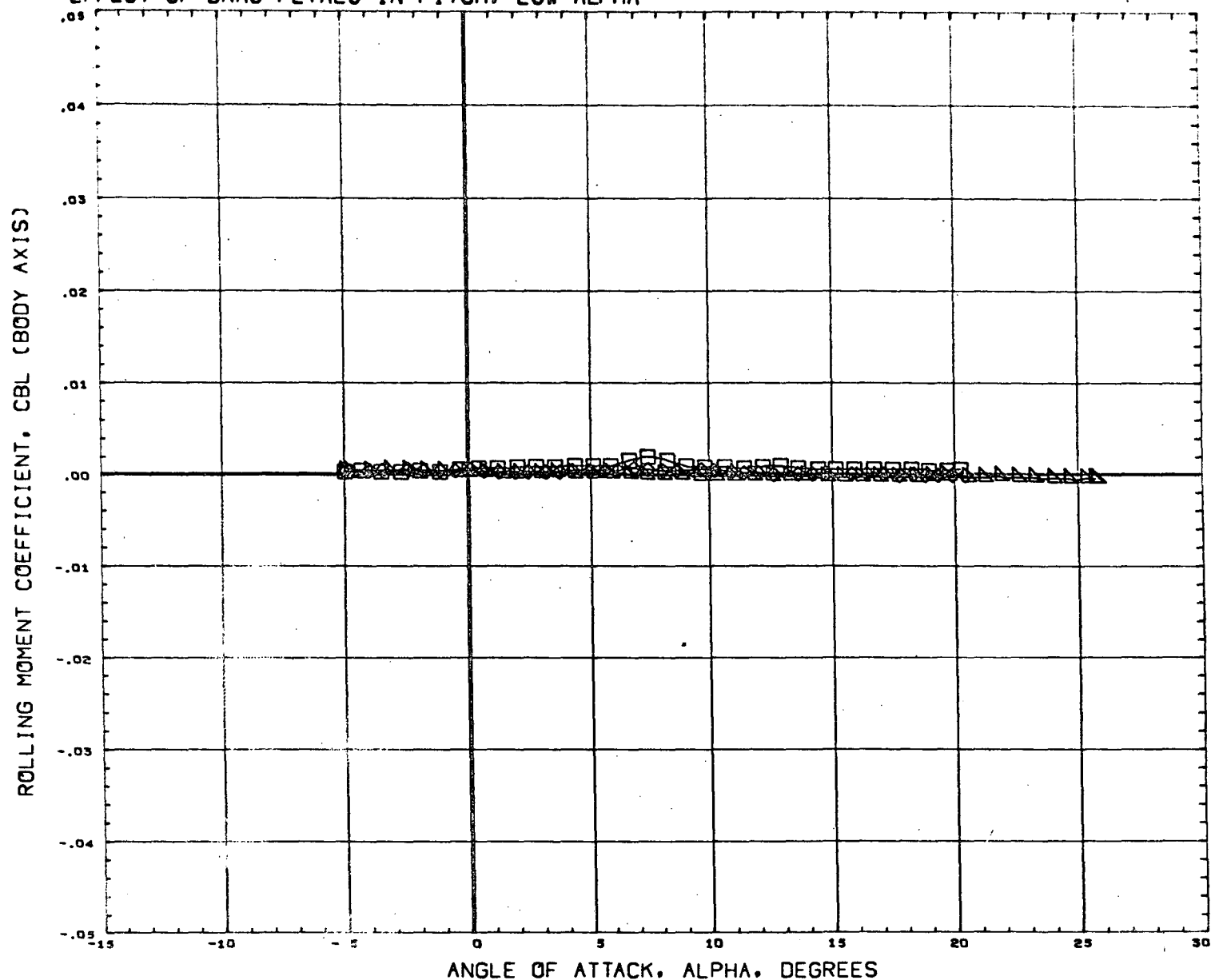
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION		
(W08011)	CBL	BTWT 1282/BSWT 557	PR-FED BRB	B5S301	0.000		SREF	9.7500	SQ. IN.
(R08091)		BTWT 1282/BSWT 557	PR-FED BRB	B5S301.1	0.000		LREF	14.6830	INCHES
(R08121)		BTWT 1282/BSWT 557	PR-FED BRB	B5S301.2	0.000		BREF	14.6830	INCHES
(R08151)		BTWT 1282/BSWT 557	PR-FED BRB	B5S301.3	0.000		XMRP	0.0000	LBOOY
(C08001)		BTWT 1282/BSWT 557	PR-FED BRB	B5S3	0.000		YMRP	0.0000	INCHES
							ZMRP	0.0000	INCHES
							SCALE	0.8899	PERCNT

MACH

1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD0011)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD0091)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD0121)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.2
(RD0131)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.3
(CD0001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3

BETA	DELTA V
0.000	
0.000	
0.000	
0.000	
0.000	

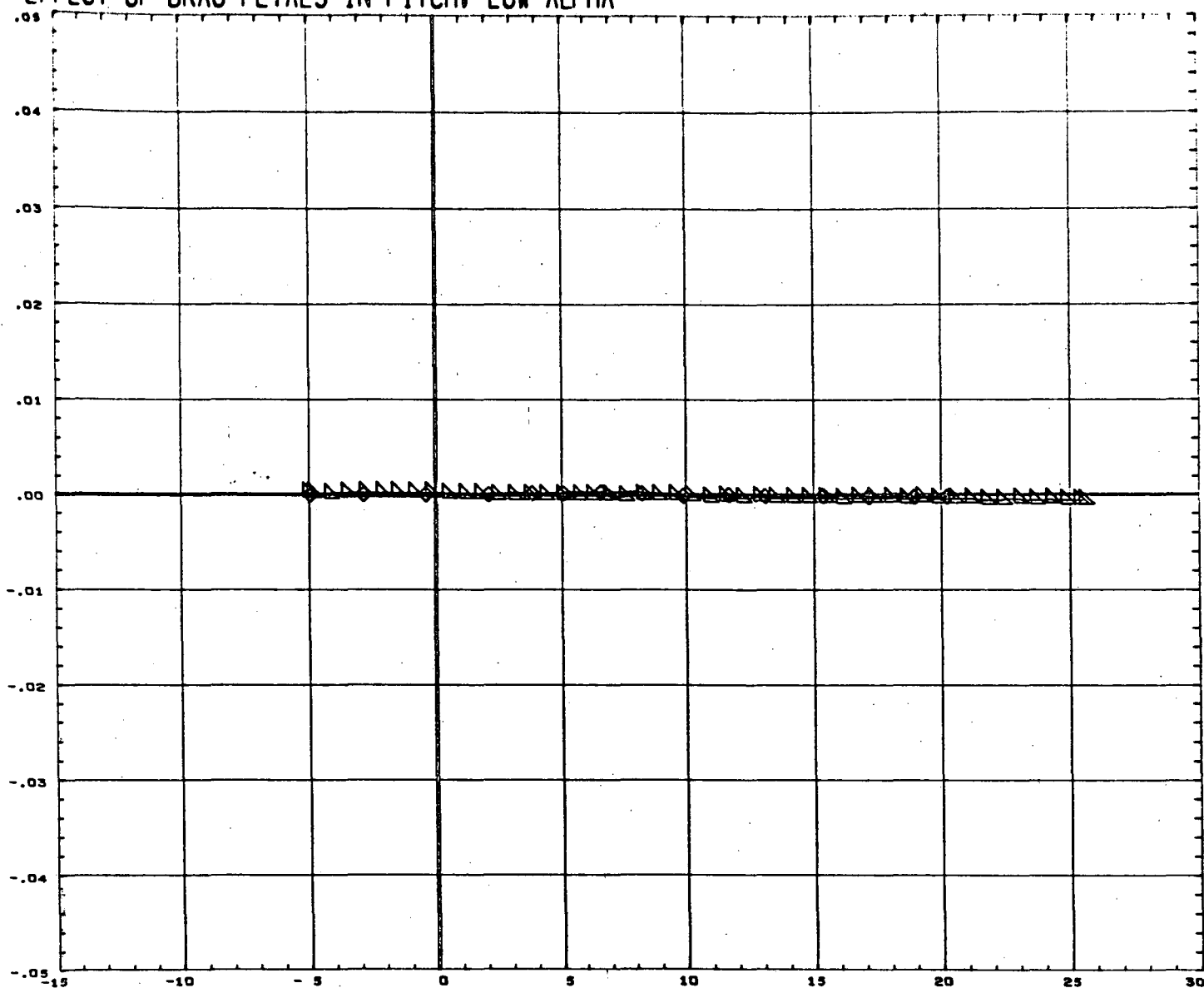
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8011)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD9091)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB B5S301.2
(RD8151)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD9091)	BTWT 1282/BSWT 557 PR-FED BRB B5S3

BETA DELTAV

0.000
0.000
0.000
0.000
0.000

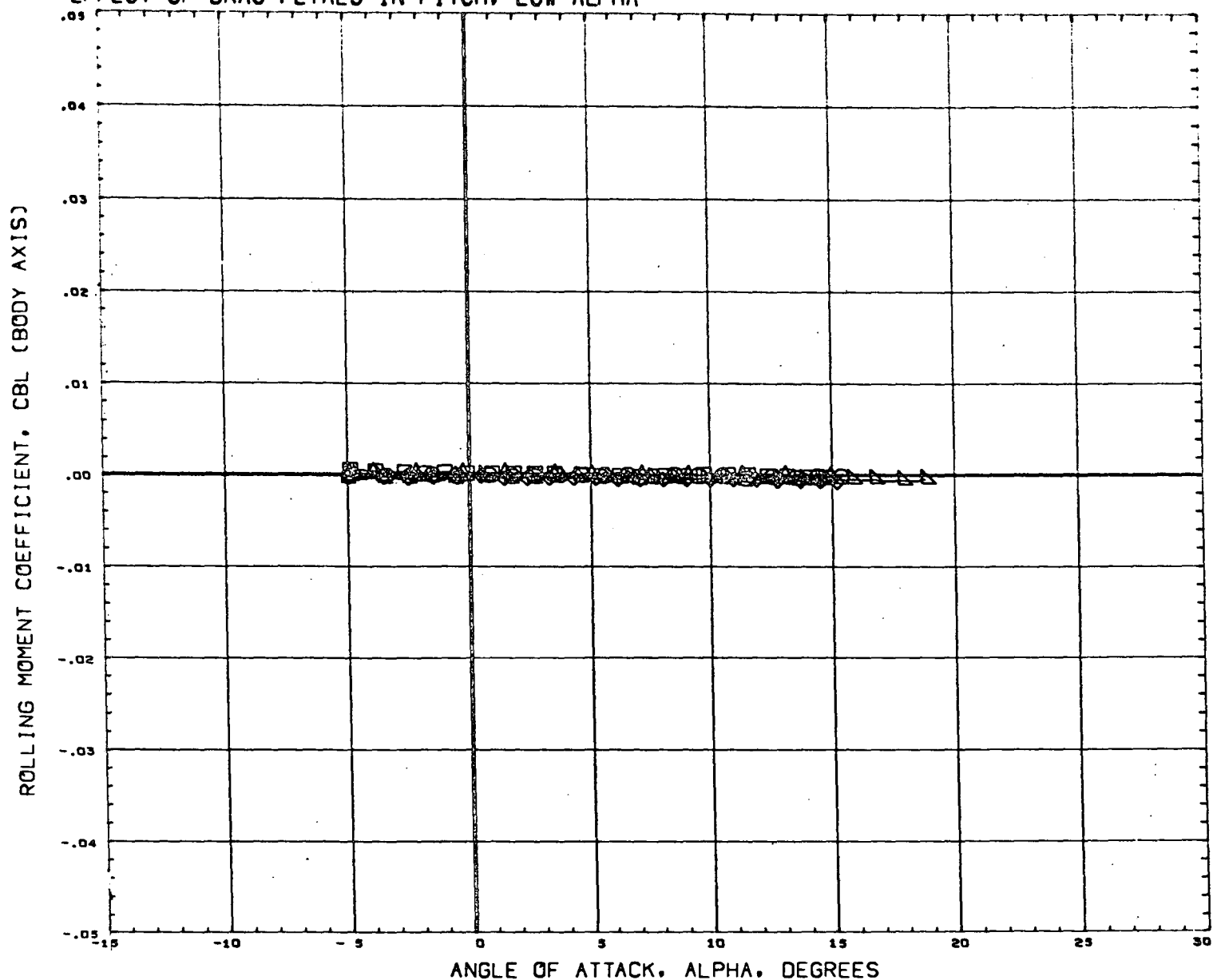
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1
(R09091)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.1
(R09121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2
(R09151)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3
(C09001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCNT

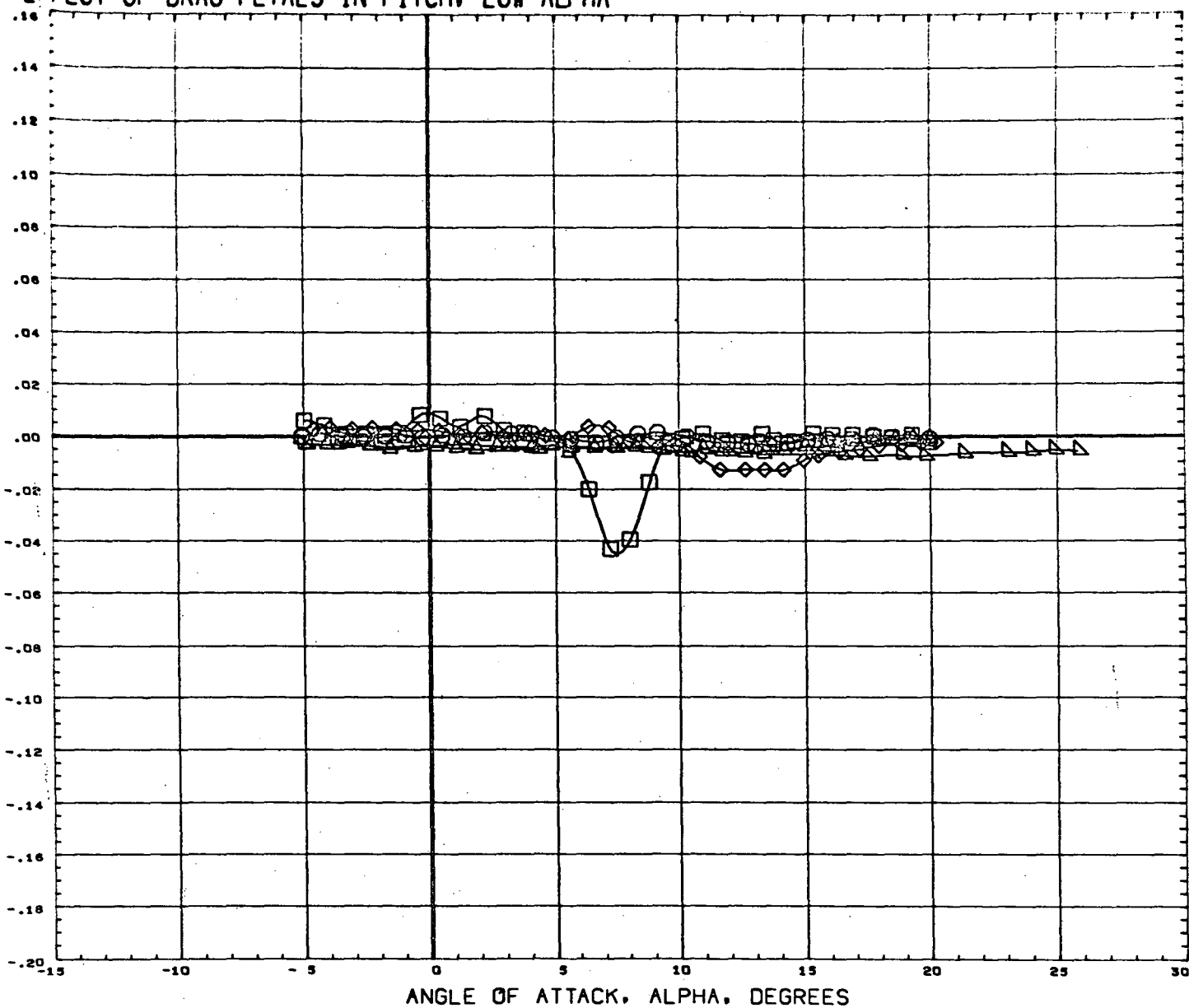
MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



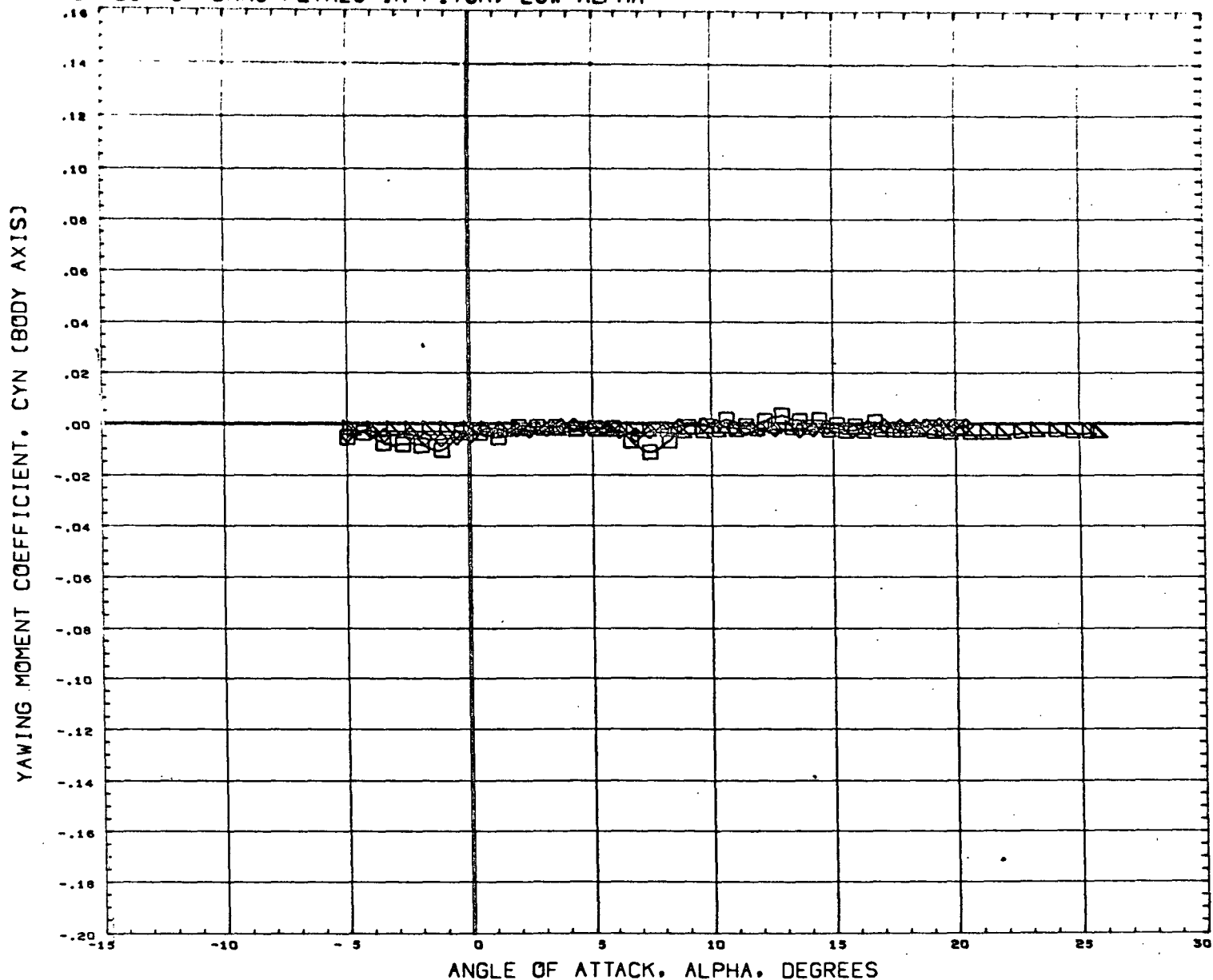
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD9011)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1	0.000		SREF 9.7500 SQ. IN.
(RD9091)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.1	0.000		LREF 14.6830 INCHES
(RD1121)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.2	0.000		BREF 14.6830 INCHES
(RD1151)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.3	0.000		XMRP 0.6000 LBODY
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH

1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



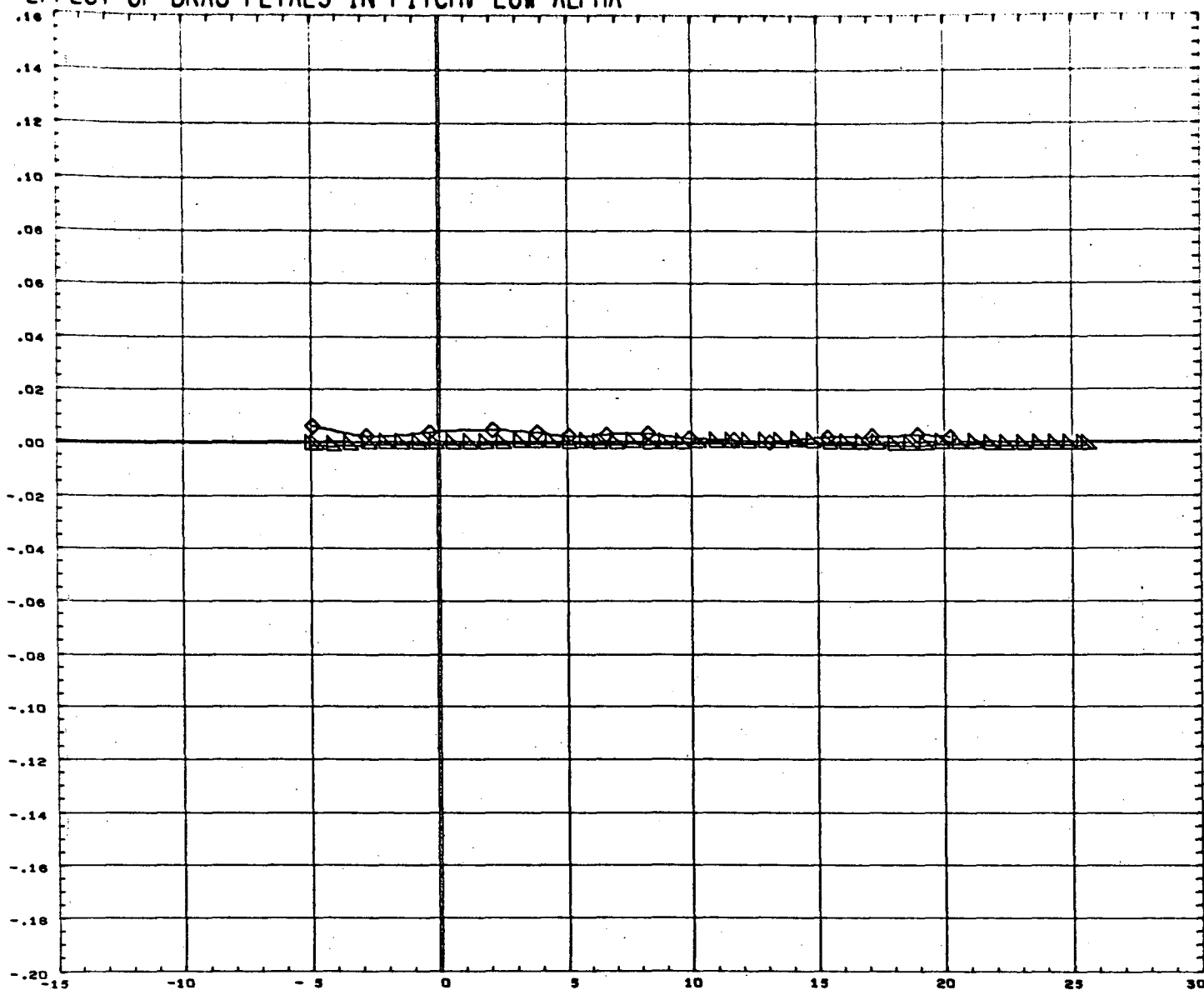
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(WD0011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(RD0091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6830 INCHES
(RD0121)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.2	0.000		BREF	14.6830 INCHES
(RD0151)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.3	0.000		XMRF	0.6000 LBODY
(CD0001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRF	0.0000 INCHES
				ZMRF	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD9011)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD9091)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD9121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2
(RD9151)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3

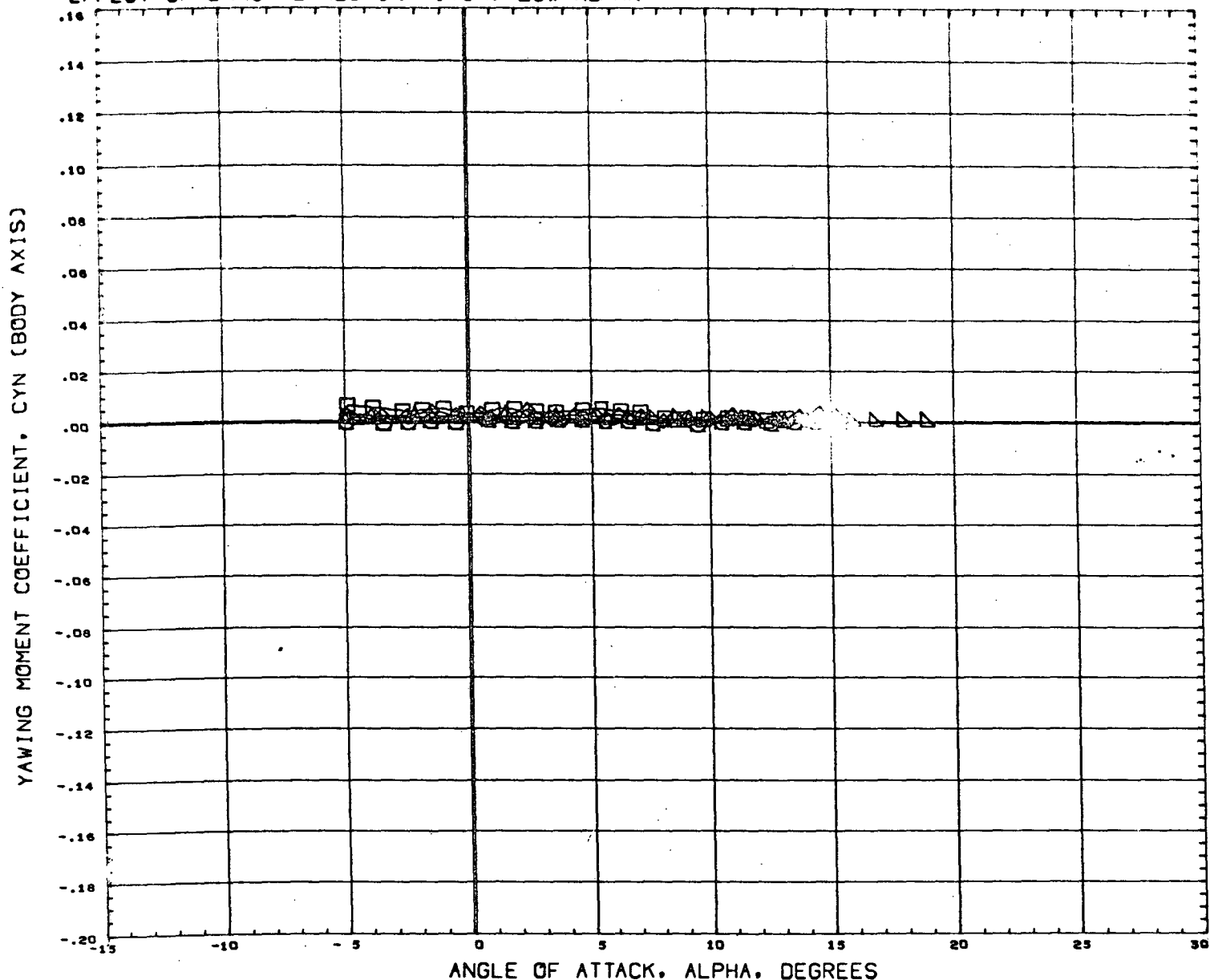
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



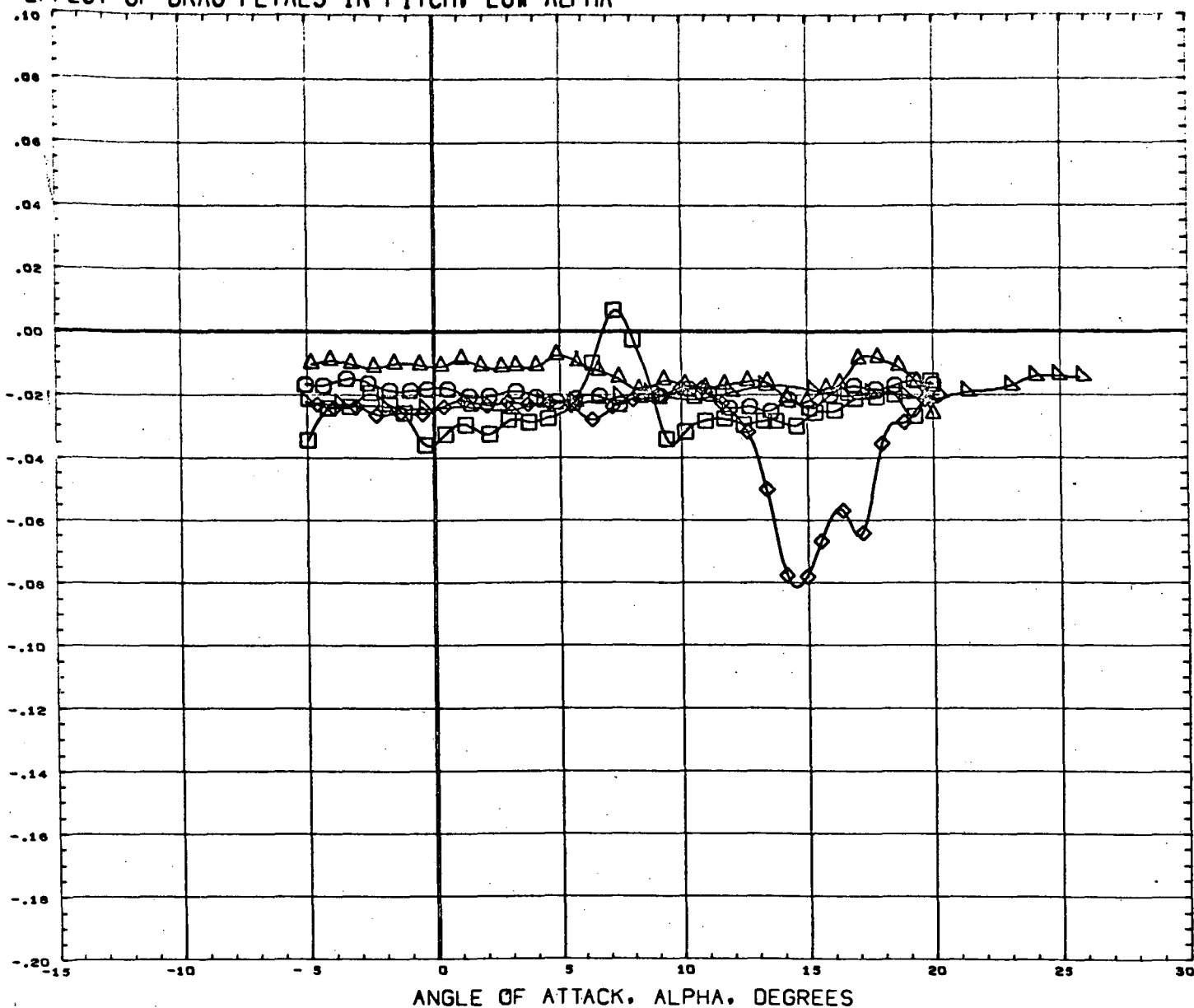
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08011)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1	0.000		SREF	9.7500 SQ. IN.
(RD8091)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.1	0.000		LREF	14.6630 INCHES
(RD8121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000		BREF	14.6630 INCHES
(RD8151)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.3	0.000		XMRP	0.0000 LBODY
(CD8901)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8699 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

LATERAL FORCE COEFFICIENT, CY

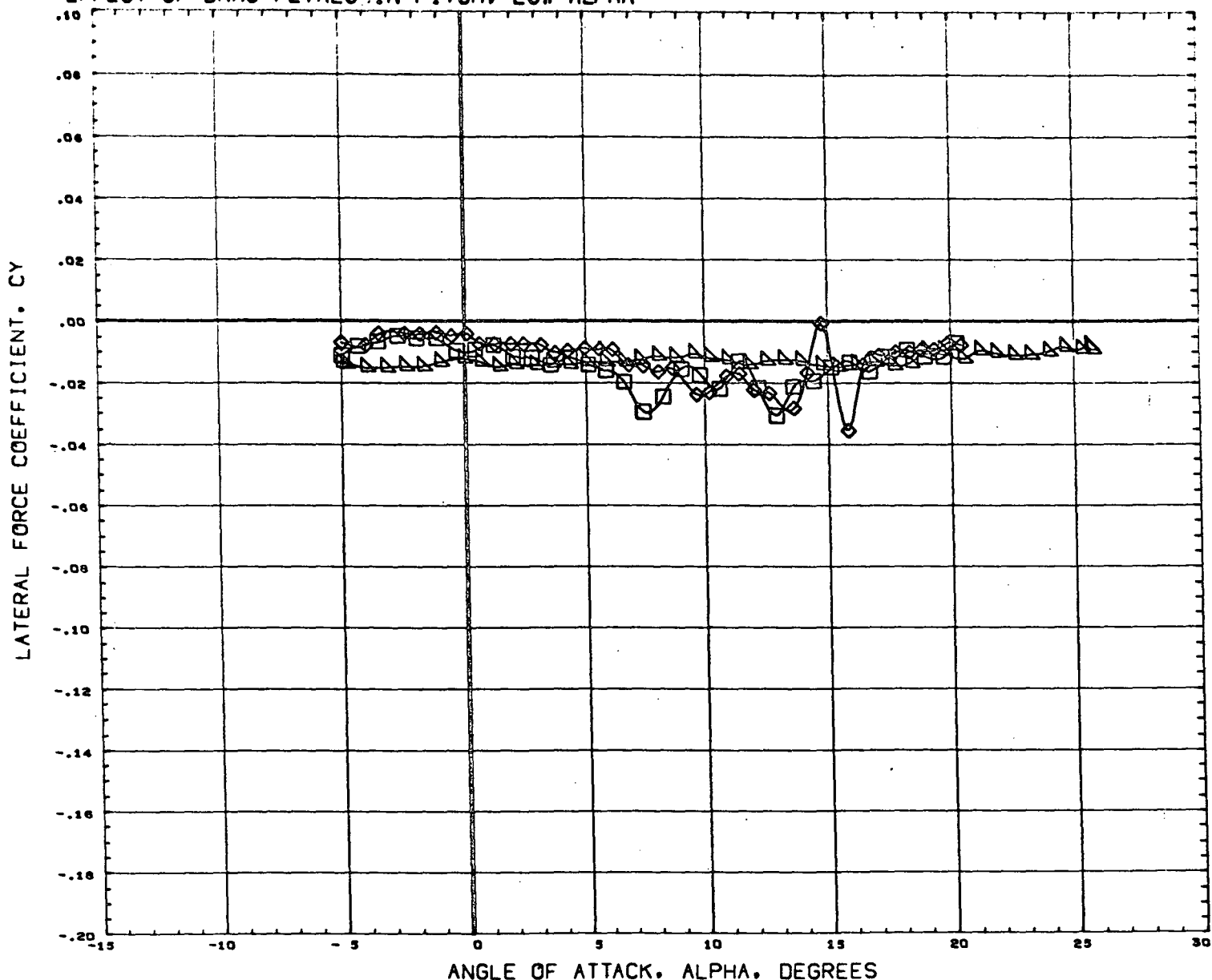


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(W08011)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D1	0.000		SREF	9.7500 SQ. IN.
(RD8091)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D1.1	0.000		LREF	14.6830 INCHES
(RD8121)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D1.2	0.000		BREF	14.6830 INCHES
(RD8151)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D1.3	0.000		XMRP	0.6000 LBODY
(CD8001)	BTWT 1202/BSWT 557 PR-FED BRB B5S3	0.000		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



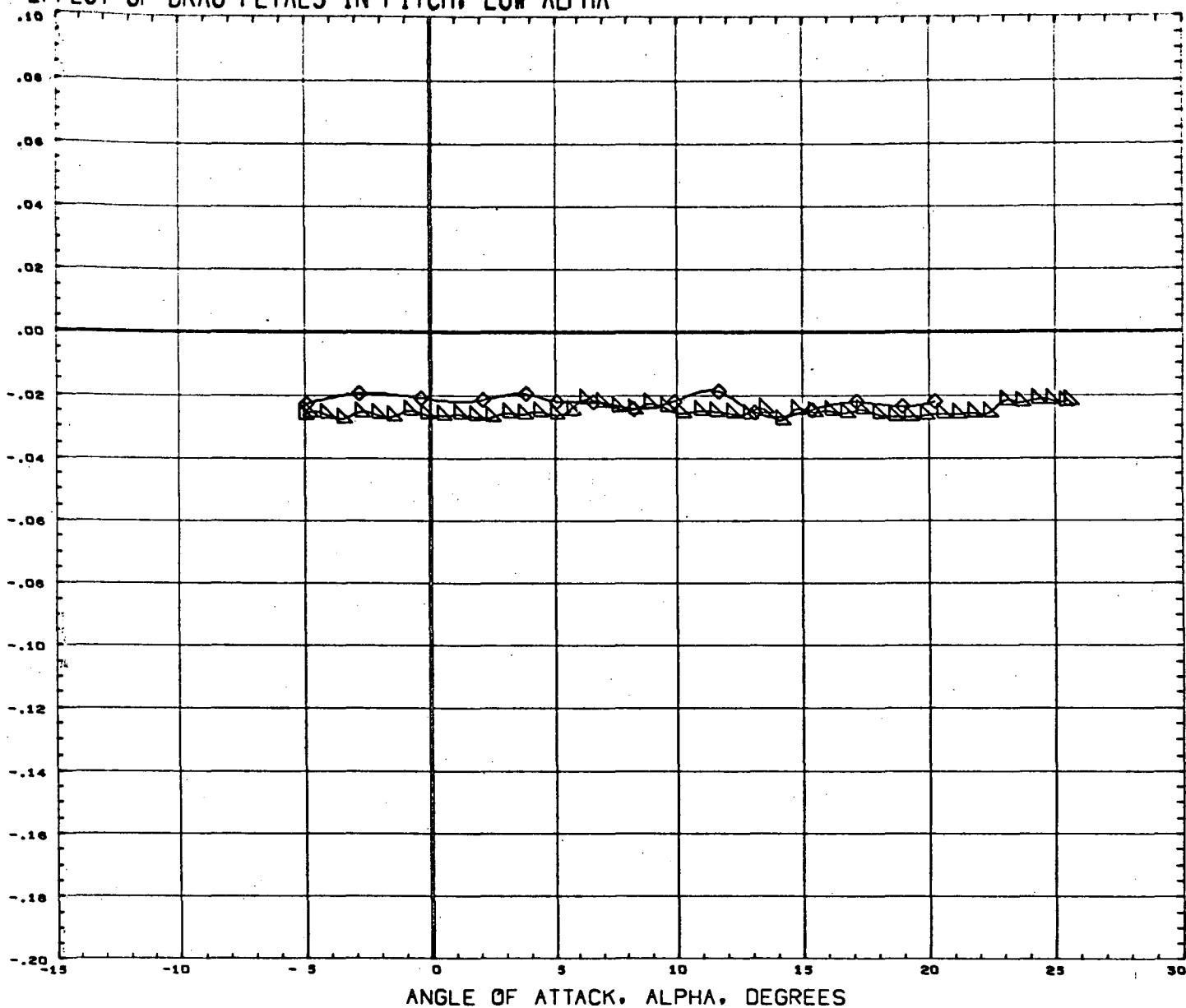
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(W09011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(R09091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6630 INCHES
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB B5S301.2	0.000		BREF	14.6630 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB B5S301.3	0.000		XMRP	0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.6699 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

LATERAL FORCE COEFFICIENT, CY



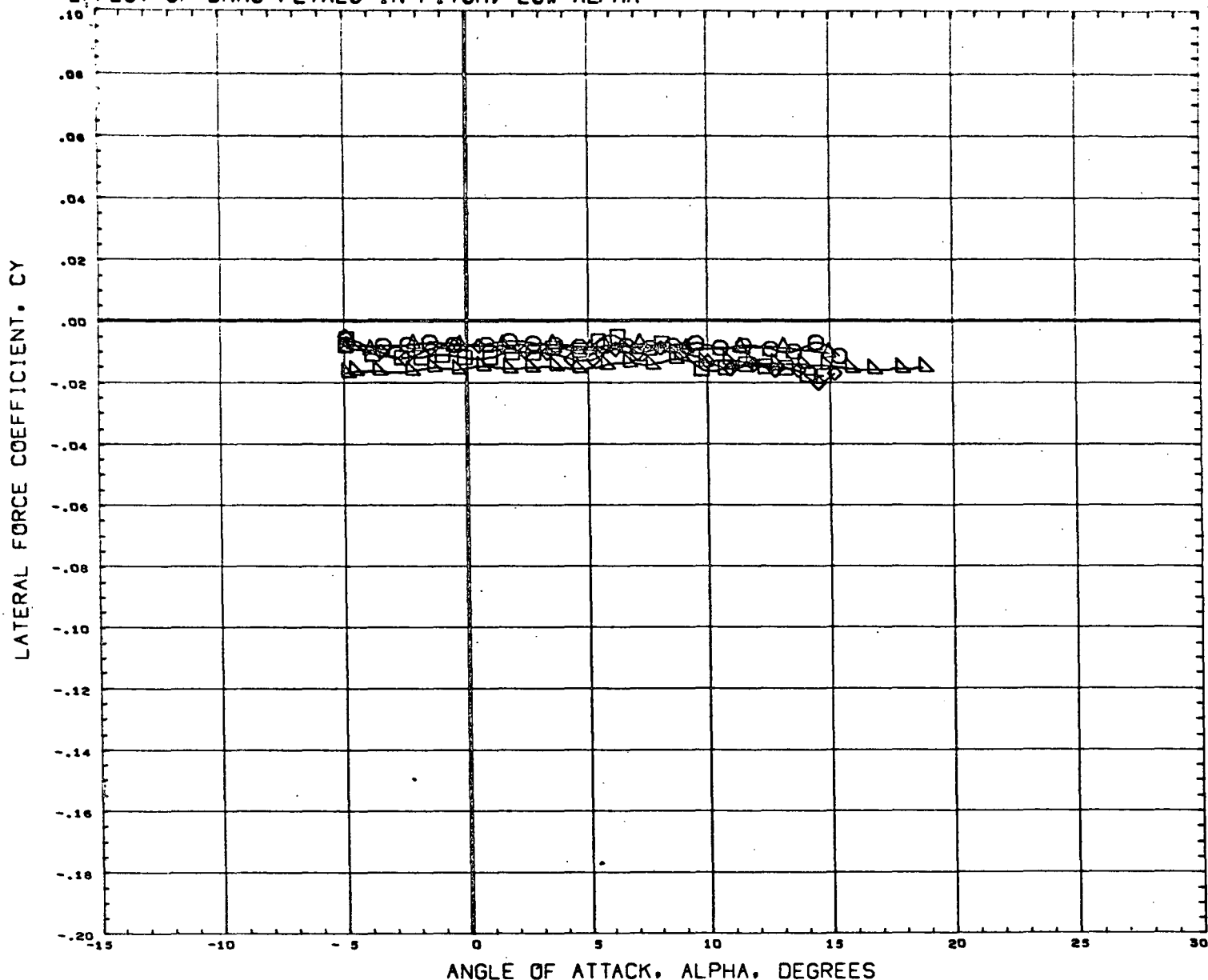
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(WD9011)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD9091)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD9121)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.2	0.000	
(RD9151)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOT
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W09011)	BTWT 1282/BSWT 557 PR-FED BRB 85S301
(R09091)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.1
(R08121)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.2
(R08151)	BTWT 1282/BSWT 557 PR-FED BRB 85S301.3
(C09091)	BTWT 1282/BSWT 557 PR-FED BRB 85S3

BETA	DELTA V
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

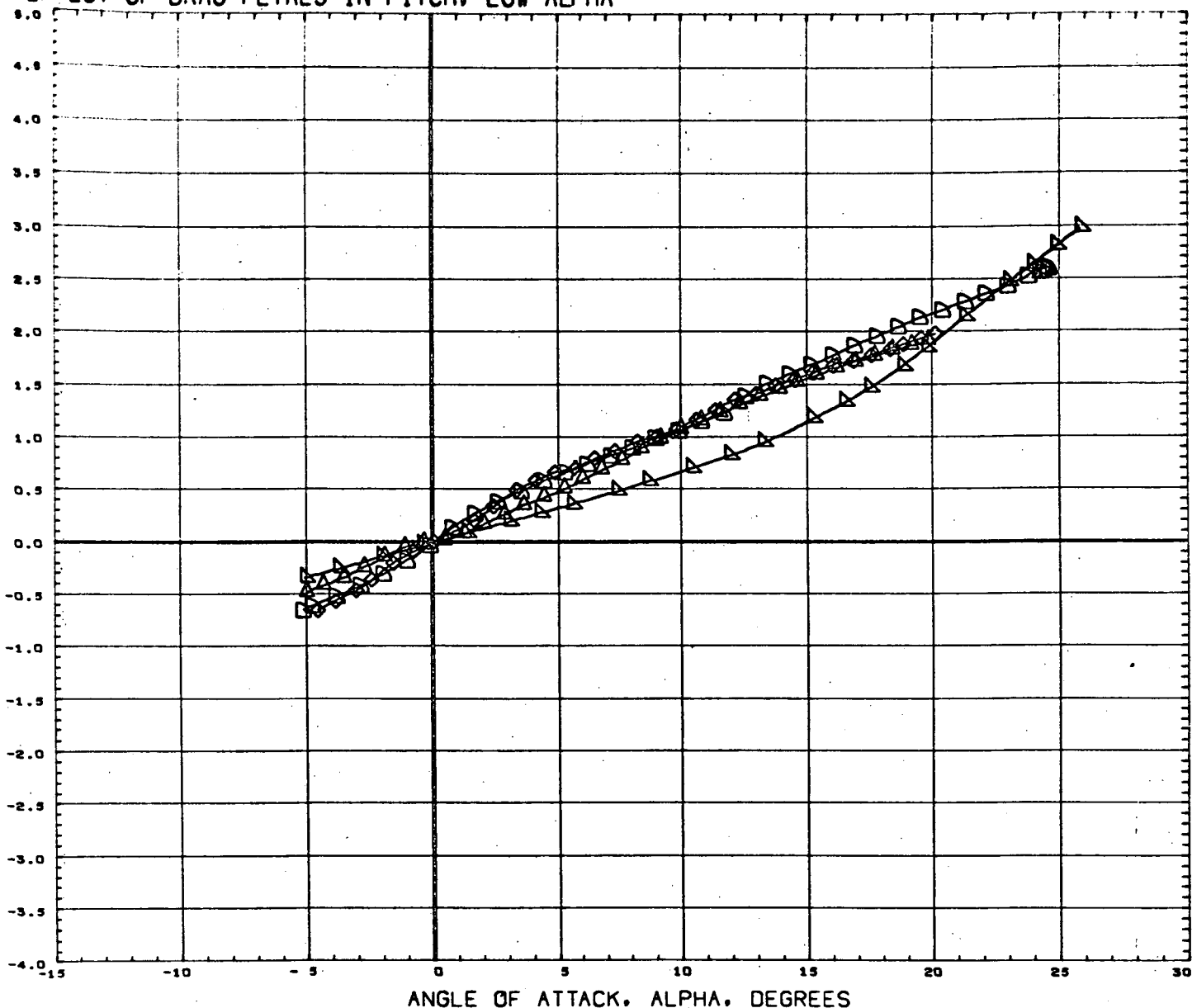
MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

NORMAL FORCE COEFFICIENT, CN



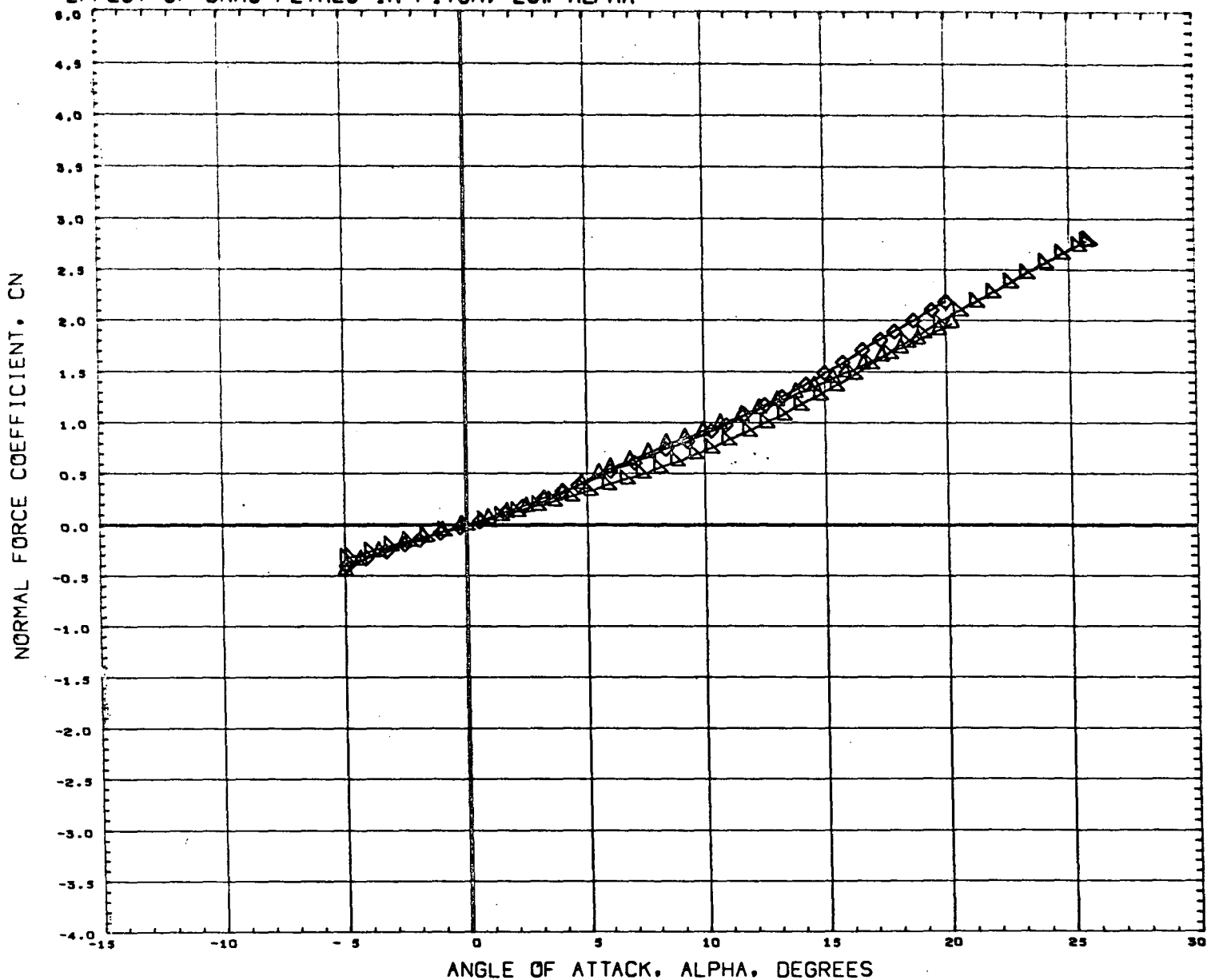
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.1	0.000	
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.2	0.000	
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000	
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D6.2	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8101)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D3.1
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D3.2
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(RD8141)	DATA NOT AVAILABLE FOR ALL CONDITIONS

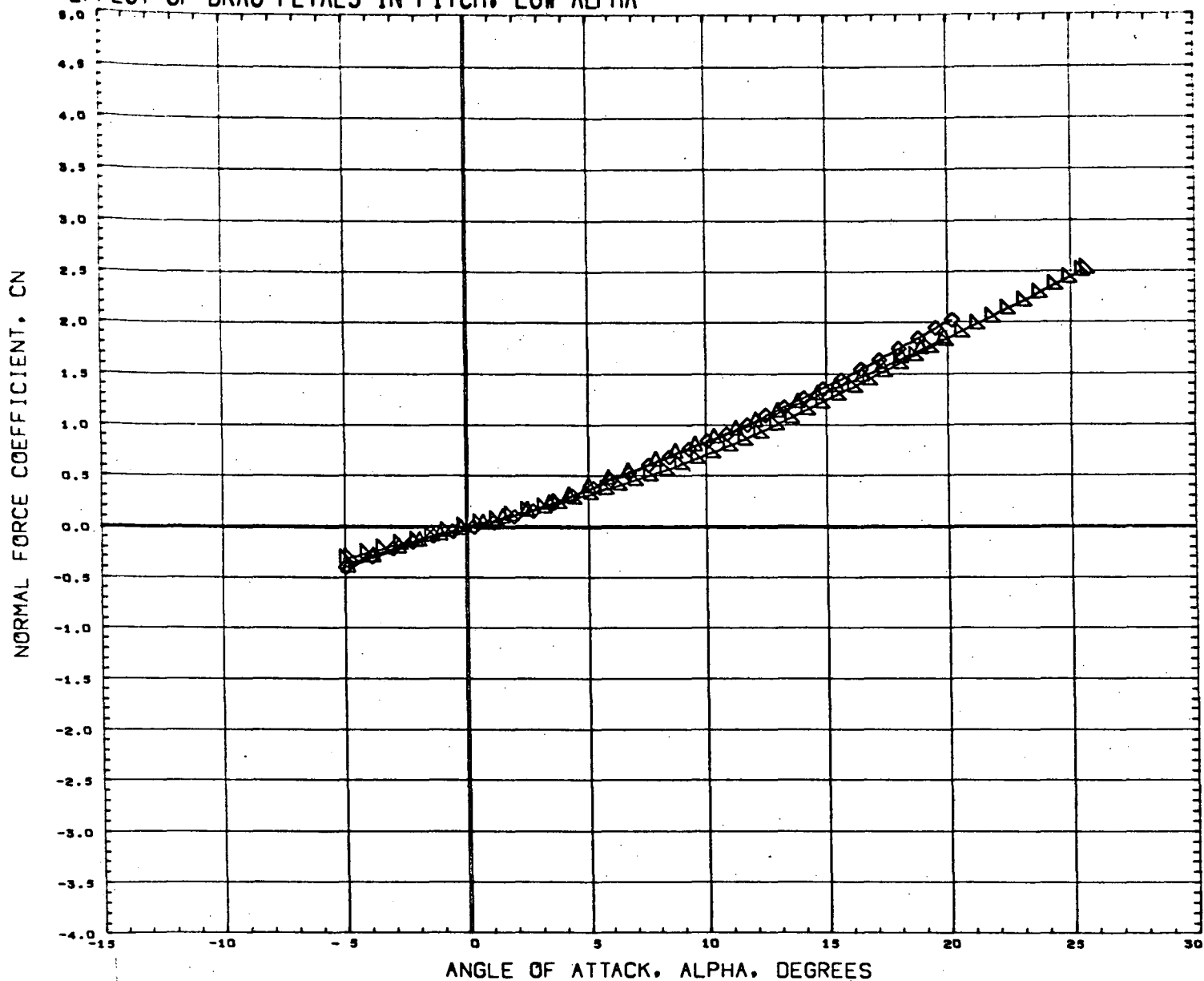
BETA	DELTA V
0.000	
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W09031)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(W09101)	BTWT 1282/BSWT 557 PR-FED BRB 8553D3.1
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 8553D3.2
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(C09001)	BTWT 1282/BSWT 557 PR-FED BRB 8553
(R09141)	DATA NOT AVAILABLE FOR ALL CONDITIONS

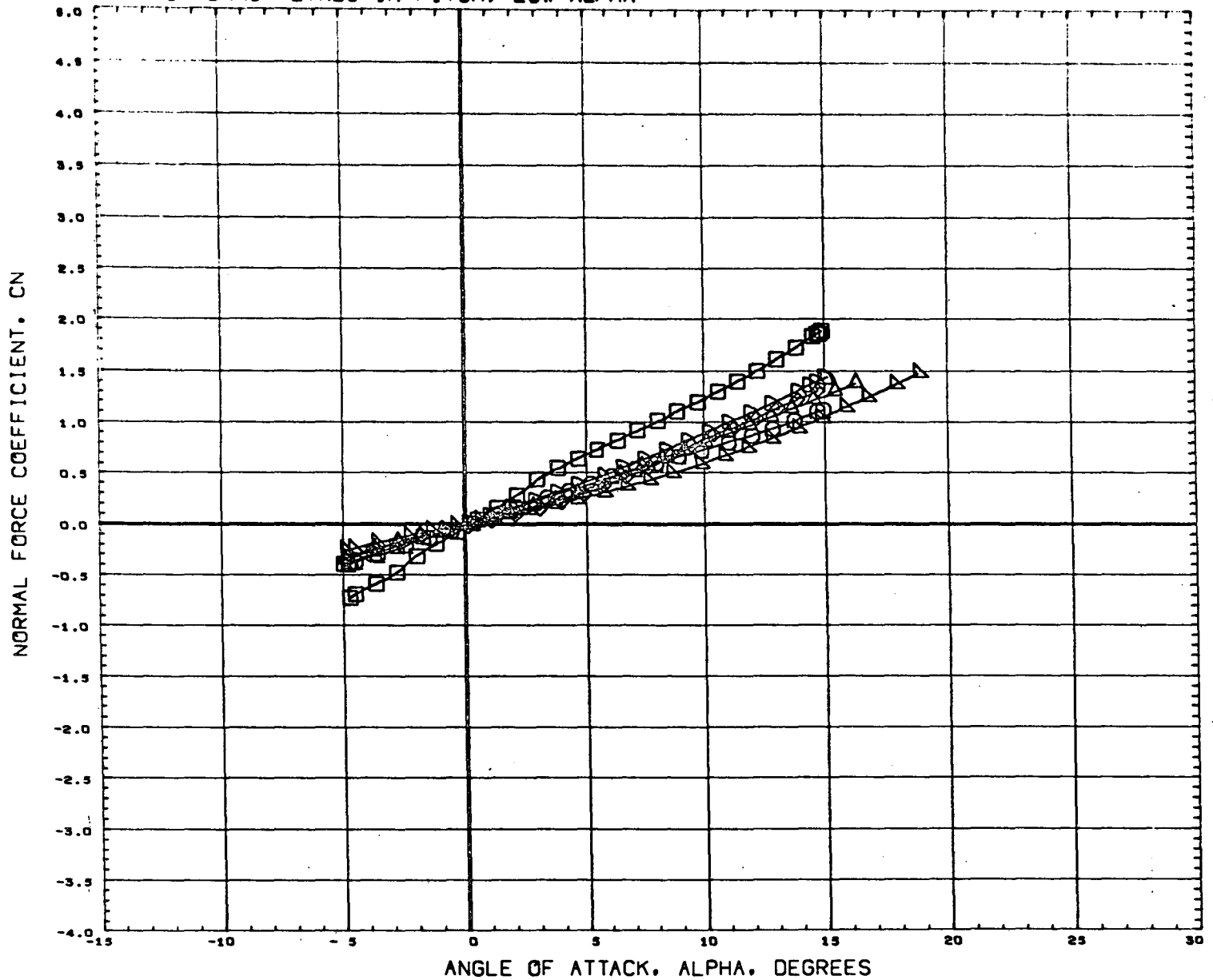
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

PAGE 199

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



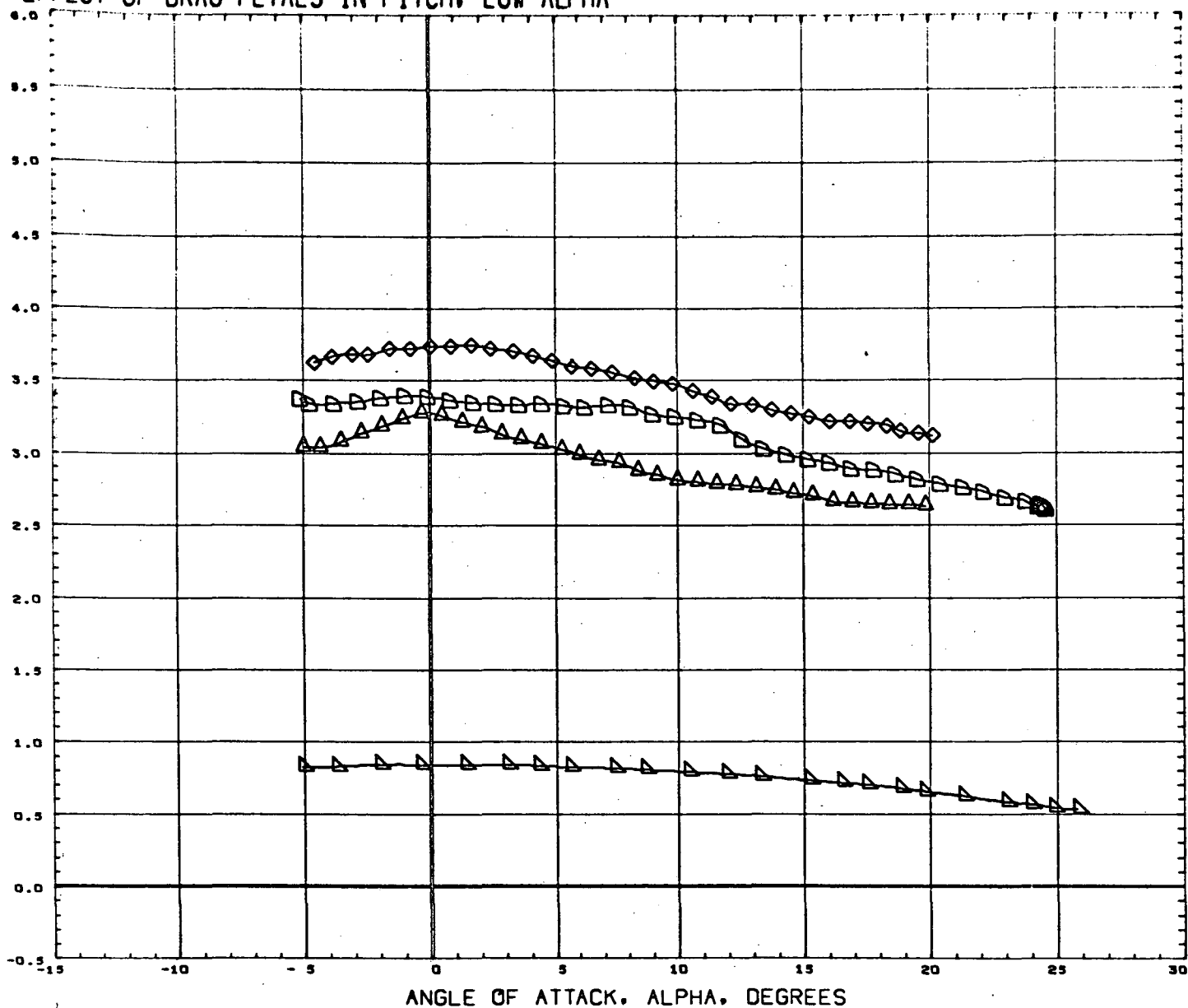
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08031)	BTWT 1282/BSWT 557 PR-FED BRB 85S303	0.000		SREF 9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.1	0.000		LREF 14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.2	0.000		BREF 14.6830 INCHES
(R08161)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.3	0.000		XMRP 0.6000 LB/OY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB 85S306.2	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF

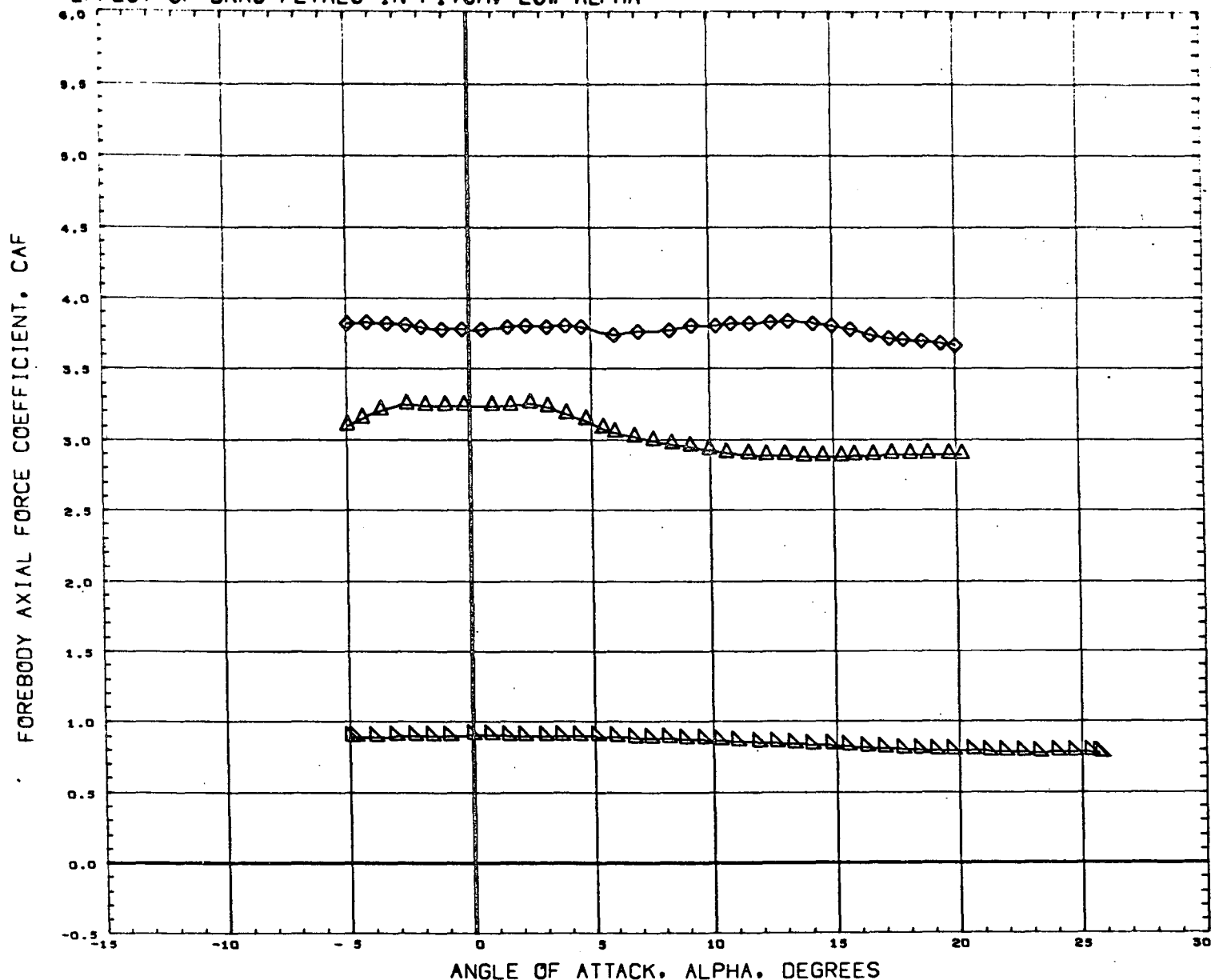


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.1	0.000		LREF	14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.2	0.000		BREF	14.6830 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(C09001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP	0.0000 INCHES
(R09141)	BTWT 1282/BSWT 557 PR-FED BRB 85S306.2	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

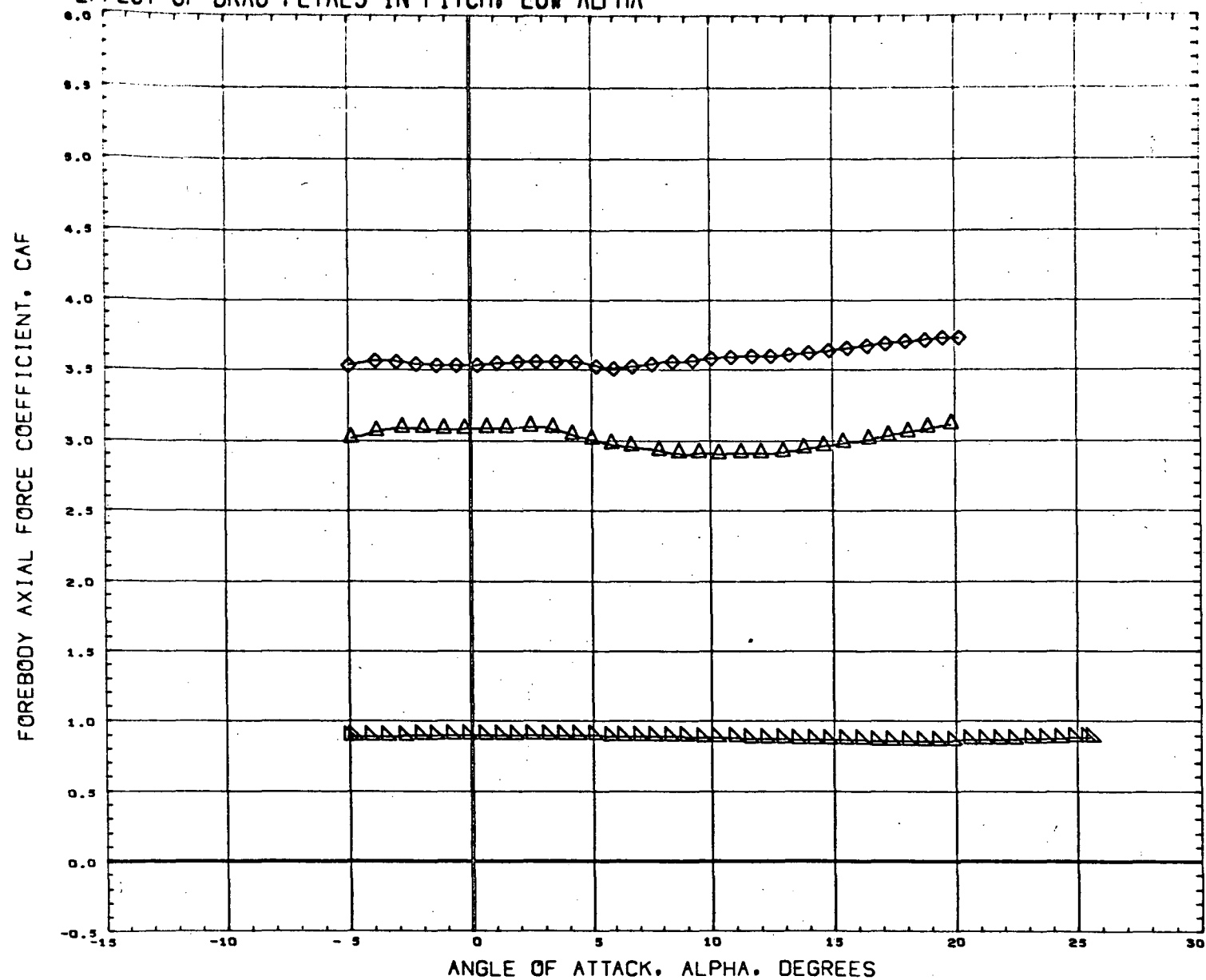


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1262/BSWT 557 PR-FED BRB B5S303.1	0.000		LREF	14.6630 INCHES
(R08131)	BTWT 1262/BSWT 557 PR-FED BRB B5S303.2	0.000		BREF	14.6630 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRF	0.6000 LBODY
(C08001)	BTWT 1262/BSWT 557 PR-FED BRB B5S3	0.000		YMRF	0.0000 INCHES
(R08141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRF	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

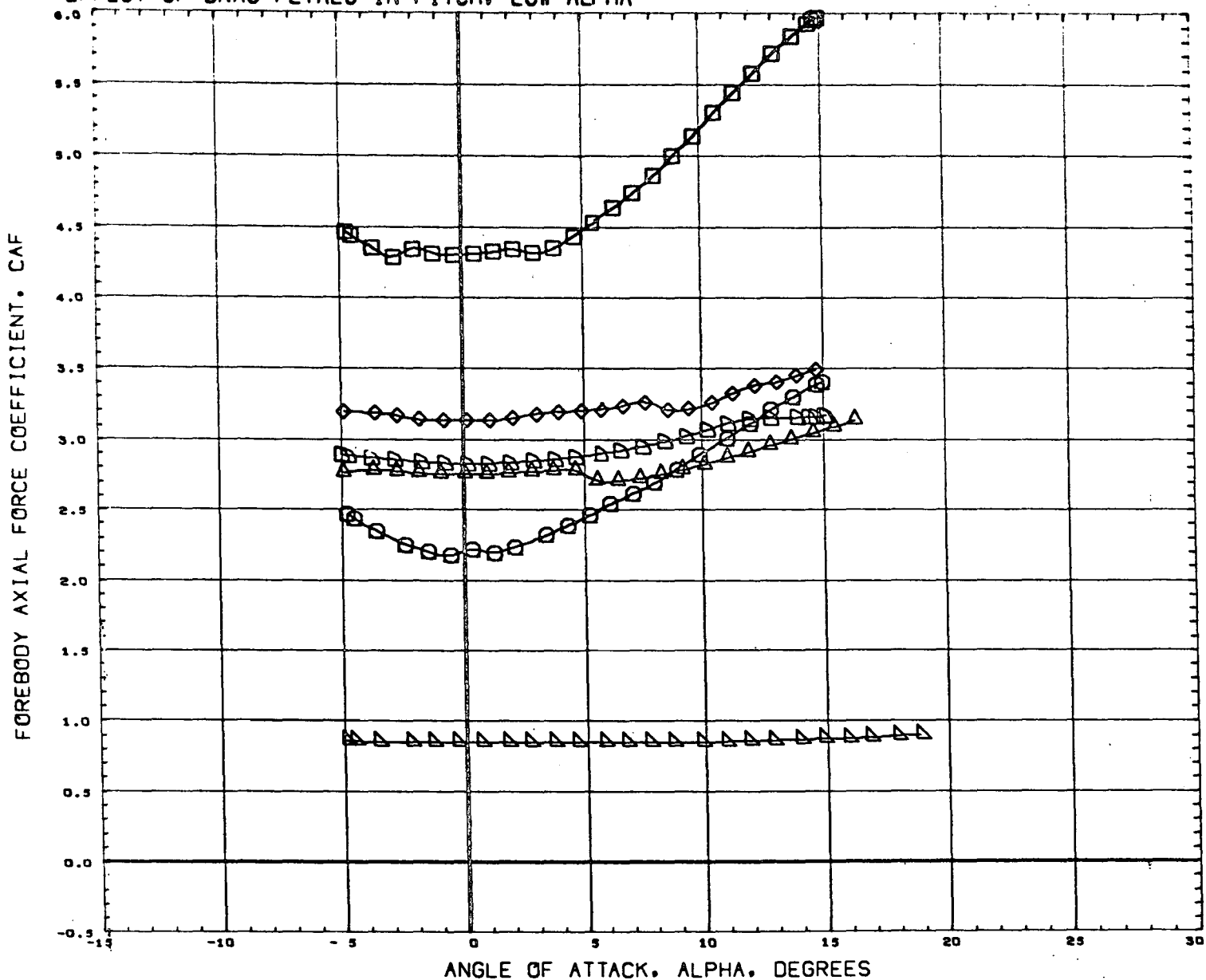


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.1	0.000		LREF	14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.2	0.000		BREF	14.6830 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP	0.0000 INCHES
(R08141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD8031)	BTWT 1282/BSWT 557 PR-FED BRB 8553D3	0.000		SREF 9.7500 SQ. IN.
(WD8101)	BTWT 1282/BSWT 557 PR-FED BRB 8553D3.1	0.000		LREF 14.6830 INCHES
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB 8553D3.2	0.000		BREF 14.6830 INCHES
(RD8161)	BTWT 1282/BSWT 557 PR-FED BRB 8553D3.3	0.000		XMRP 0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		YMRP 0.0000 INCHES
(RD8141)	BTWT 1282/BSWT 557 PR-FED BRB 8553D6.2	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH

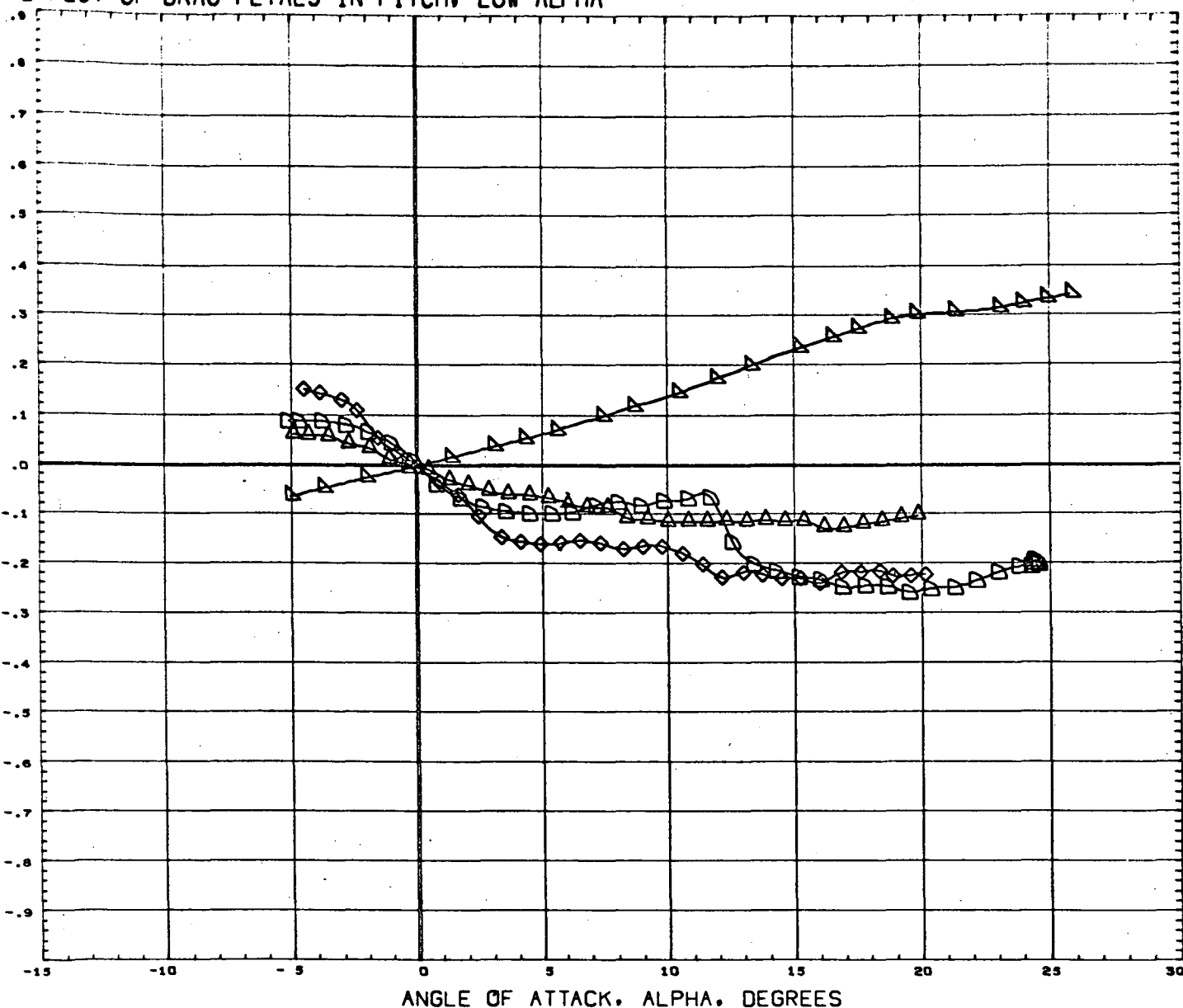
3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM

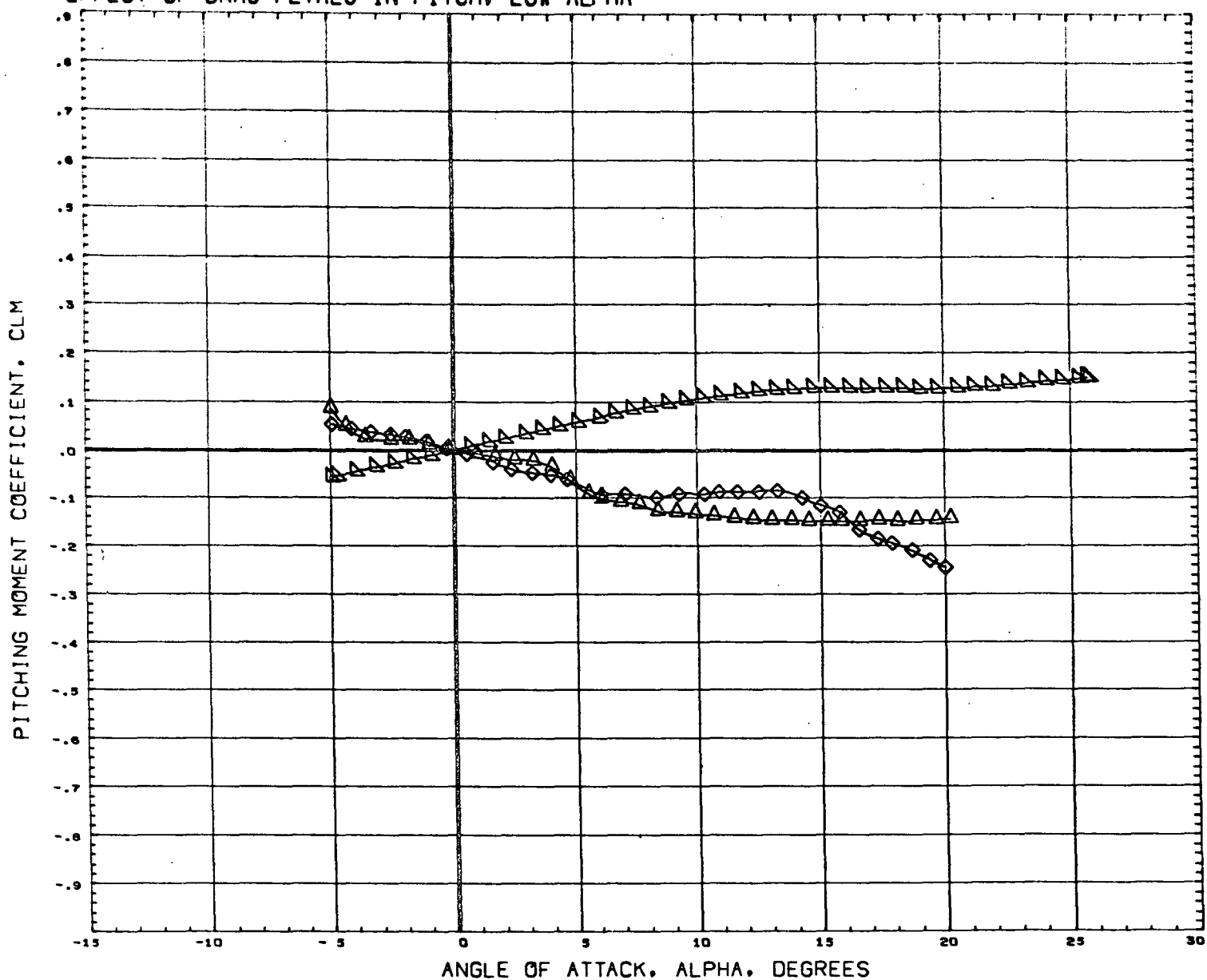


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.1	0.000		LREF	14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.2	0.000		BREF	14.6830 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBOOY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP	0.0000 INCHES
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB 85S306.2	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

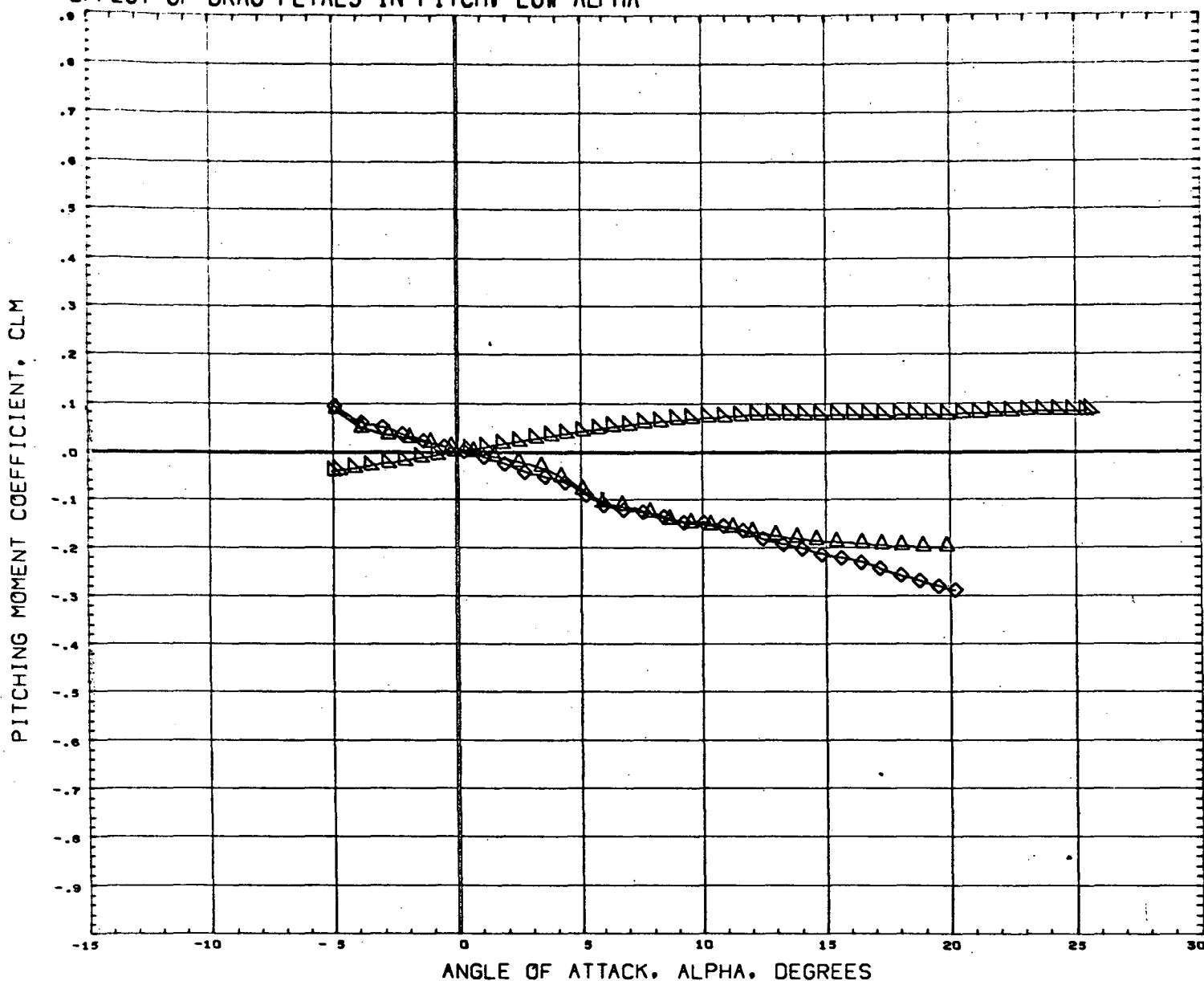


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF 9.7500 SQ. IN.
(WD8101)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.1	0.000		LREF 14.6830 INCHES
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.2	0.000		BREF 14.6830 INCHES
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP 0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
(RD8141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

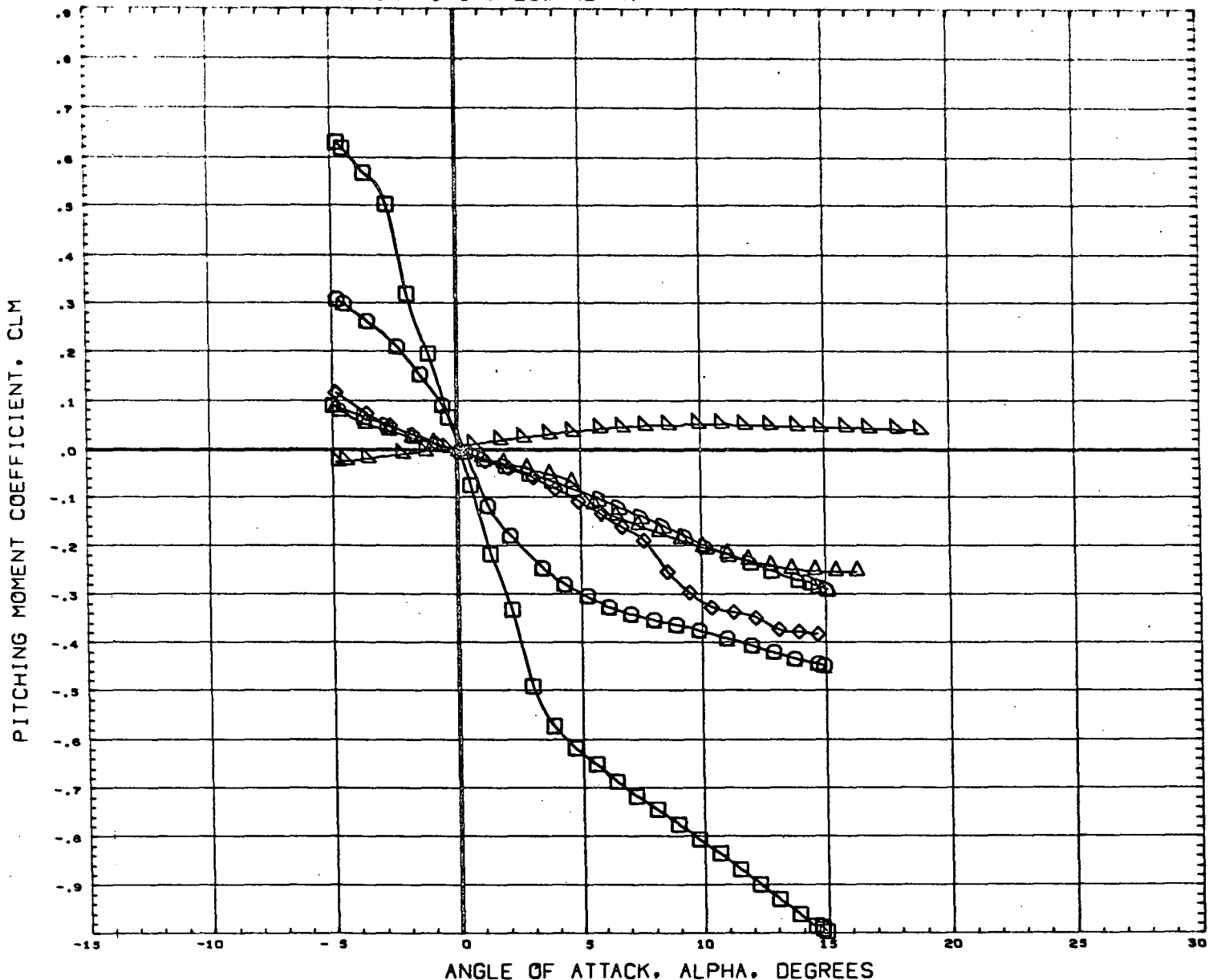


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF 9.7500 SQ. IN.
(WD9101)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.1	0.000		LREF 14.6830 INCHES
(RD9131)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.2	0.000		BREF 14.6830 INCHES
(RDR161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP 0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
(RDR141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

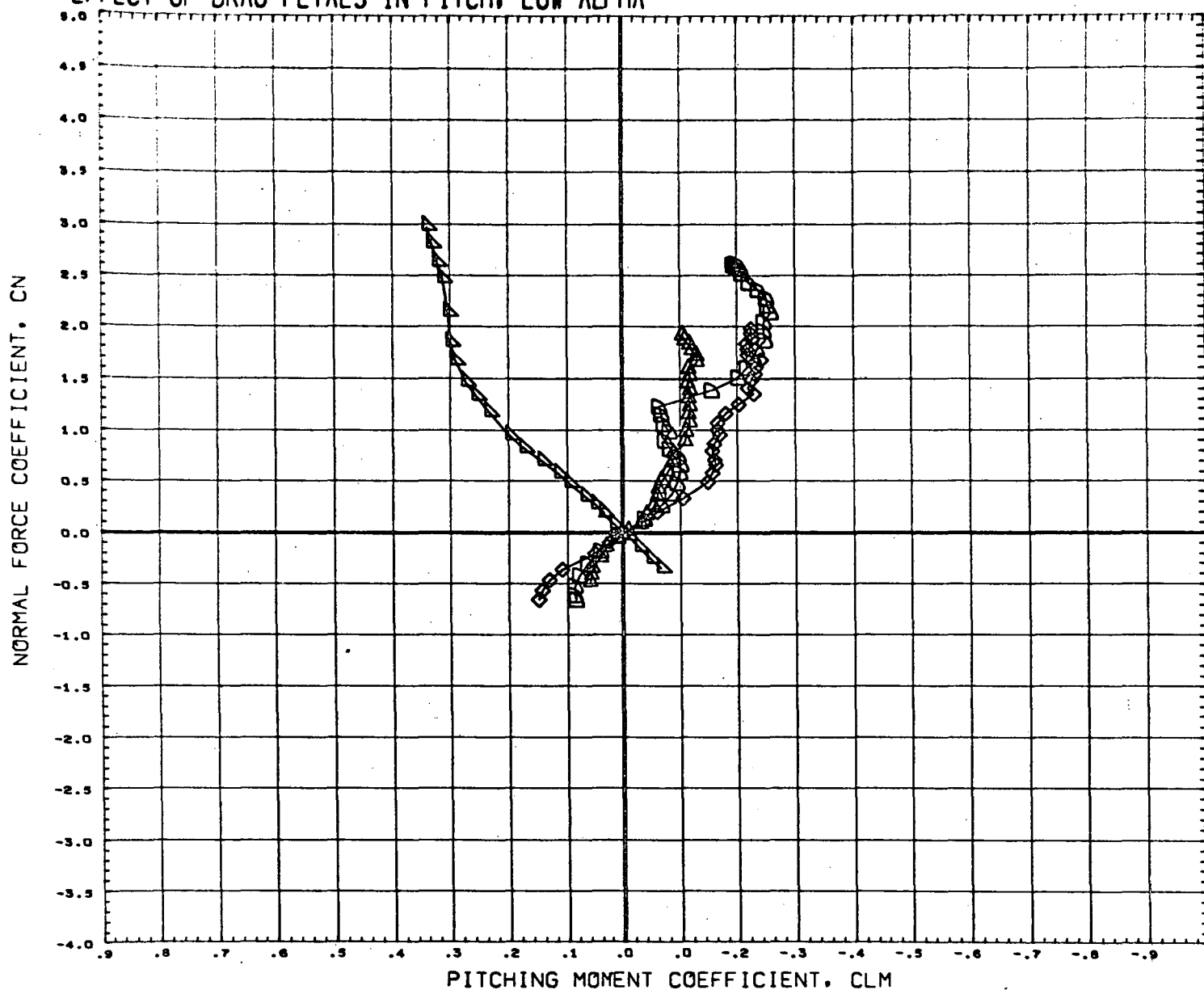


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(W08031)	BTWT 1282/BSWT 557 PR-FED BRB B5S303	0.000		SREF 9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB B5S303.1	0.000		LREF 14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB B5S303.2	0.000		BREF 14.6830 INCHES
(R08161)	BTWT 1282/BSWT 557 PR-FED BRB B5S303.3	0.000		XMRF 0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRF 0.0000 INCHES
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB B5S306.2	0.000		ZMRF 0.0000 INCHES
				SCALE 0.6899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

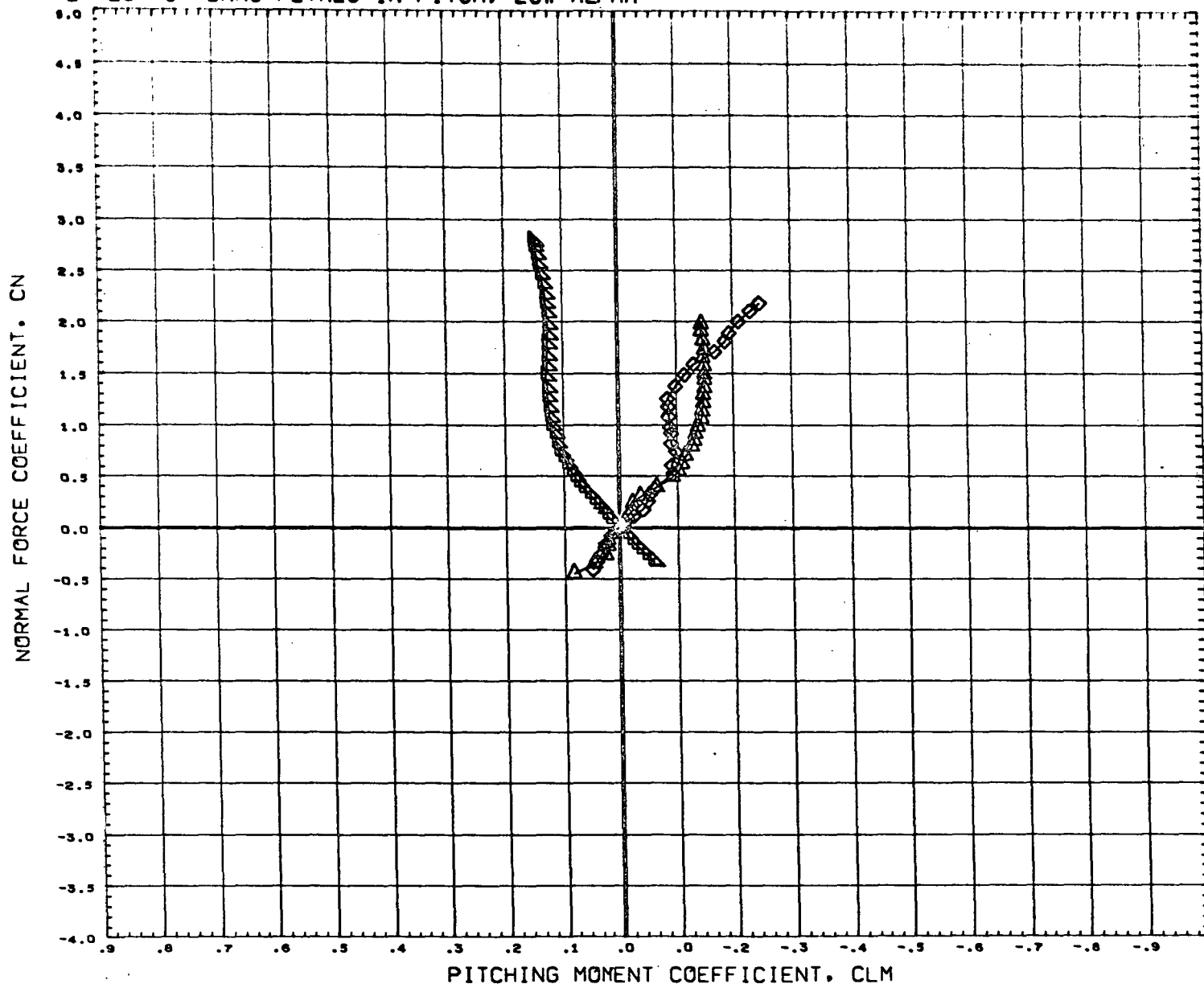


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF 9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.1	0.000		LREF 14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.2	0.000		BREF 14.6830 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP 0.6000 LBODY
(C09001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP 0.0000 INCHES
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D6.2	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



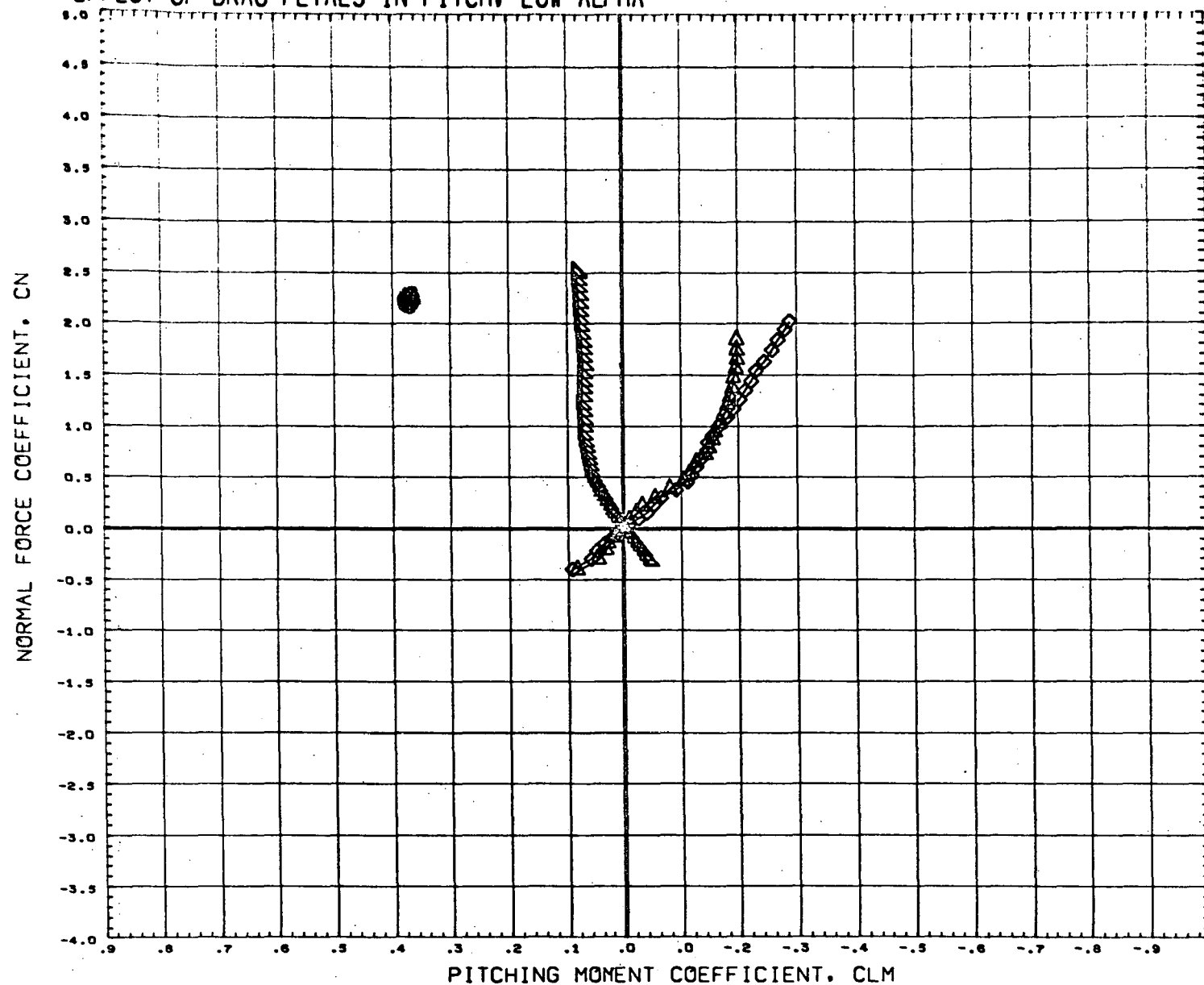
PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D3.1	0.000		LREF	14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D3.2	0.000		BREF	14.6830 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.0000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3	0.000		YMRP	0.0000 INCHES
(R08141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8101)	BTWT 1282/BSWT 557 PR-FED BRB BSS303.1
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB BSS303.2
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB BSS3
(RD8141)	DATA NOT AVAILABLE FOR ALL CONDITIONS

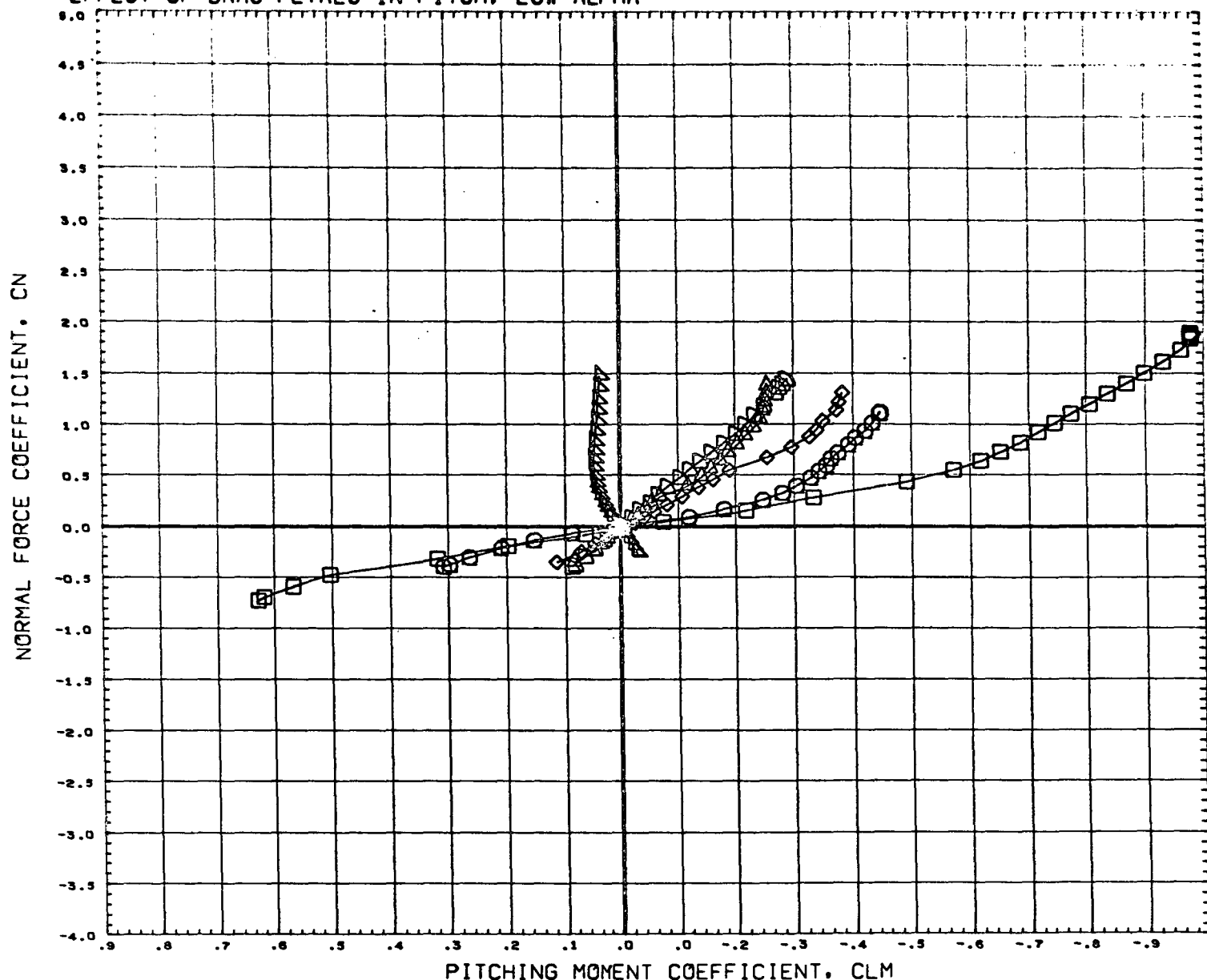
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



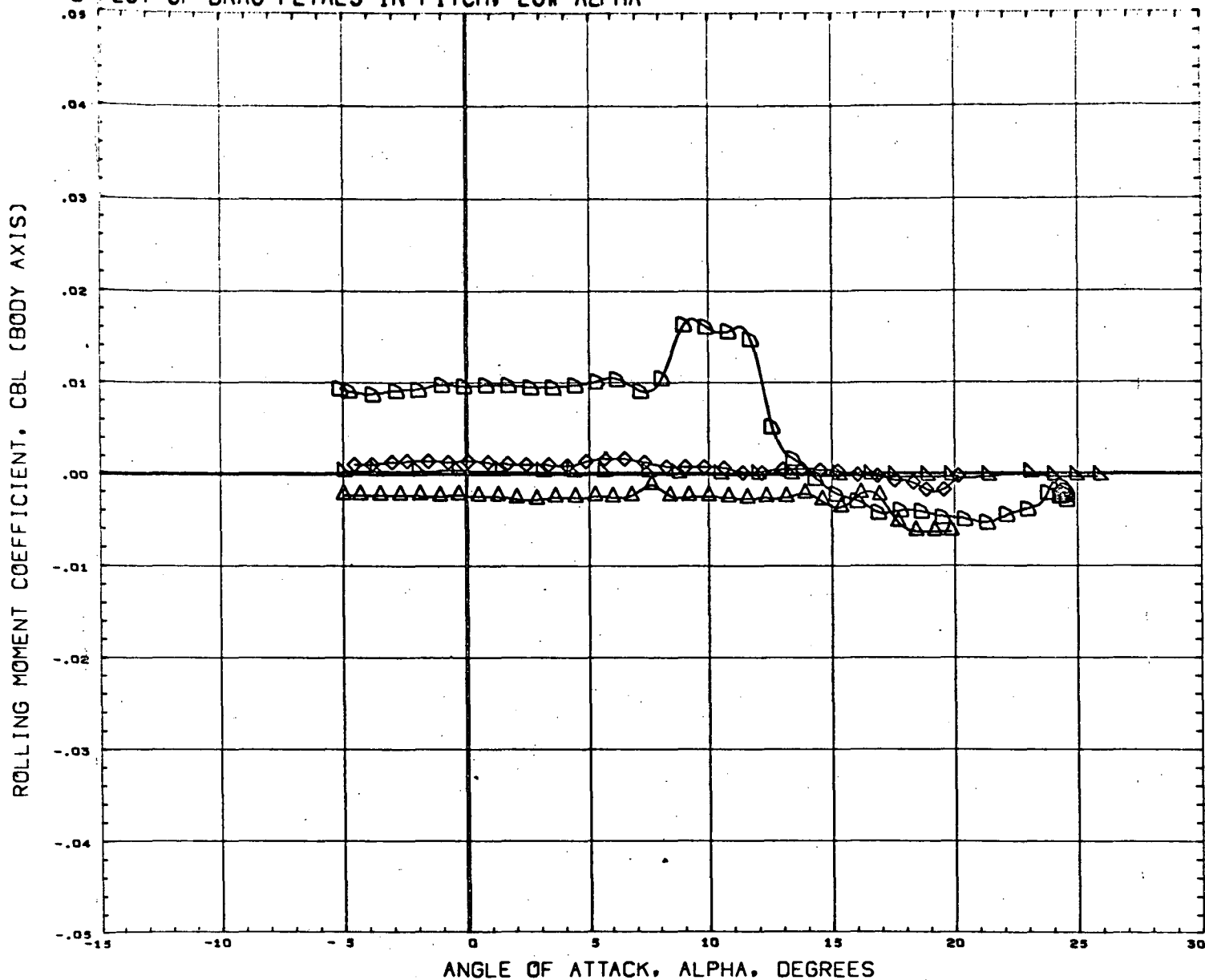
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(W08031)	BTWT 1282/BSWT 557 PR-FED BRB 85S303	0.000		SREF 9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.1	0.000		LREF 14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.2	0.000		BREF 14.6830 INCHES
(R08161)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.3	0.000		XMRF 0.6000 LBODY
(C04001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRF 0.0000 INCHES
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB 85S306.2	0.000		ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



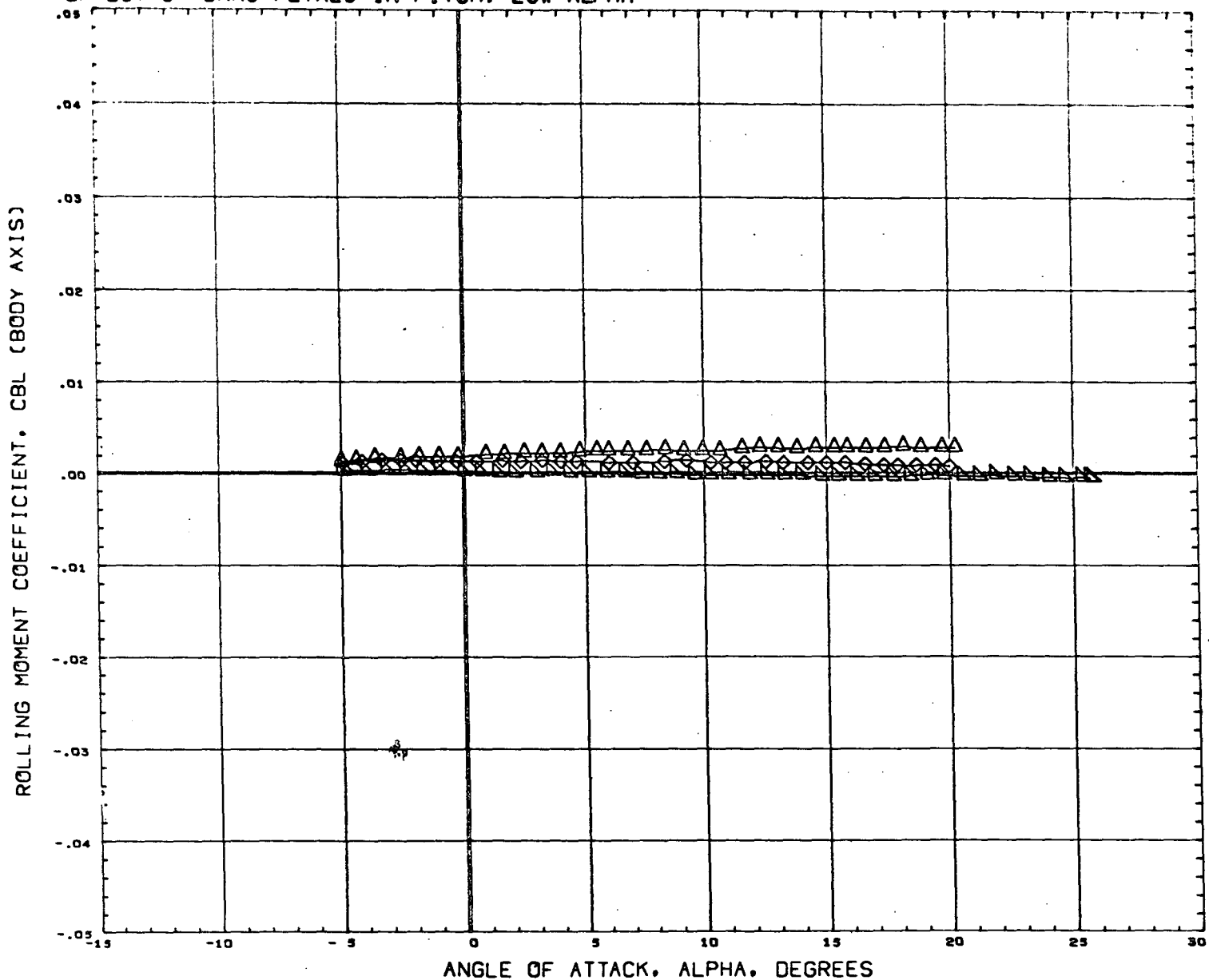
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD9031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF 9.7500 SQ. IN.
(WD8101)	BTWT 1282/BSWT 557 PR-FED BRB B5S303.1	0.000		LREF 14.6830 INCHES
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB B5S303.2	0.000		BRF 14.6830 INCHES
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRF 0.6000 LBODY
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRF 0.0000 INCHES
(RD9141)	BTWT 1282/BSWT 557 PR-FED BRB B5S306.2	0.000		ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH

1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W09031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W09101)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D3.1	0.000		LREF	14.6830 INCHES
(R09131)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D3.2	0.000		BREF	14.6830 INCHES
(R09161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(C09001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRP	0.0000 INCHES
(R09141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

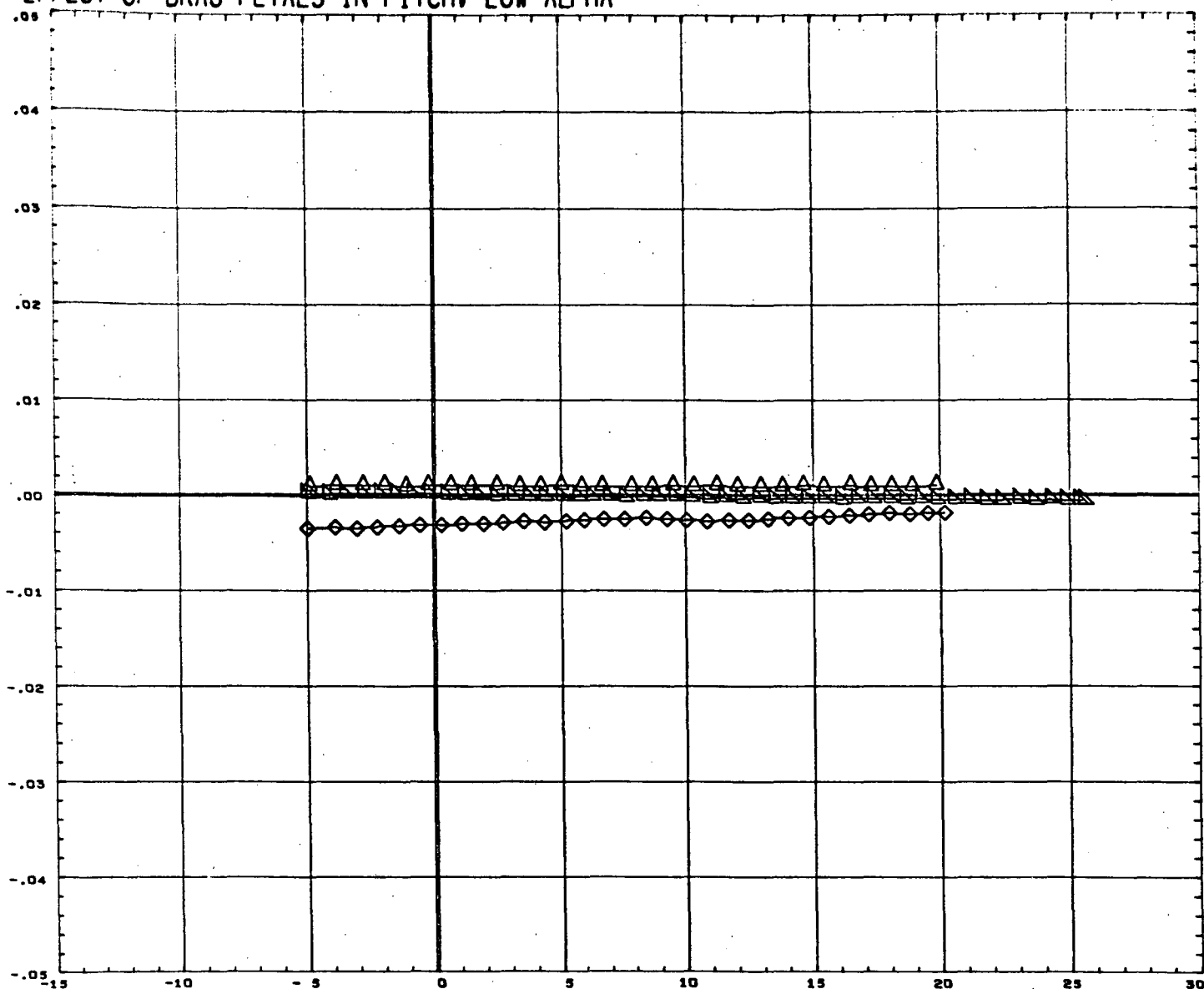
MACH

2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



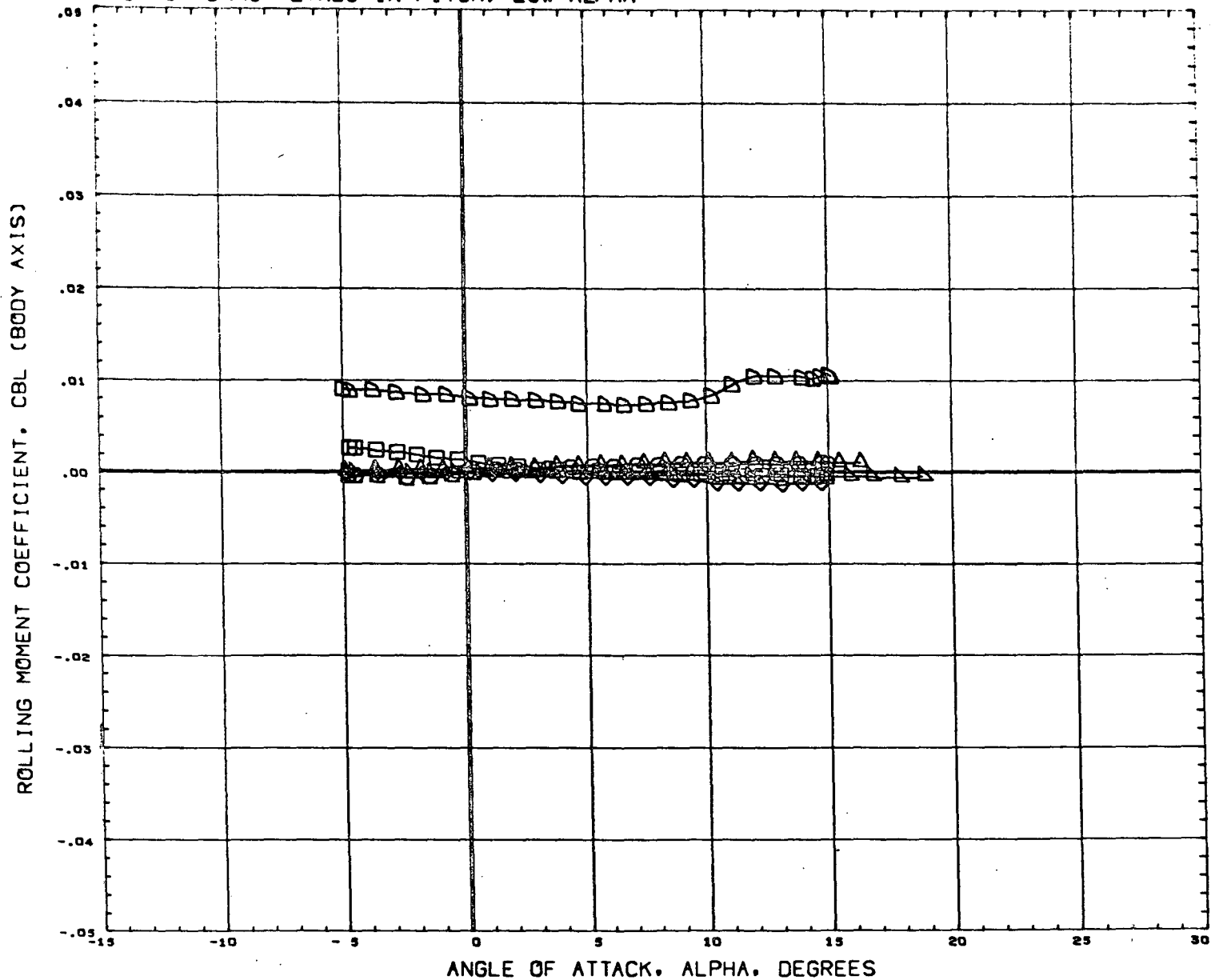
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(WD9031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF 9.7500 SQ. IN.
(WD9101)	BTWT 1282/BSWT 557 PR-FED BRB 855303.1	0.000		LREF 14.6630 INCHES
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB 855303.2	0.000		BREF 14.6630 INCHES
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP 0.6000 LBODY
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		YMRP 0.0000 INCHES
(RD8141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08031)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3
(W09101)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.1
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.2
(R08161)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D3.3
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D6.2

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	
0.000	

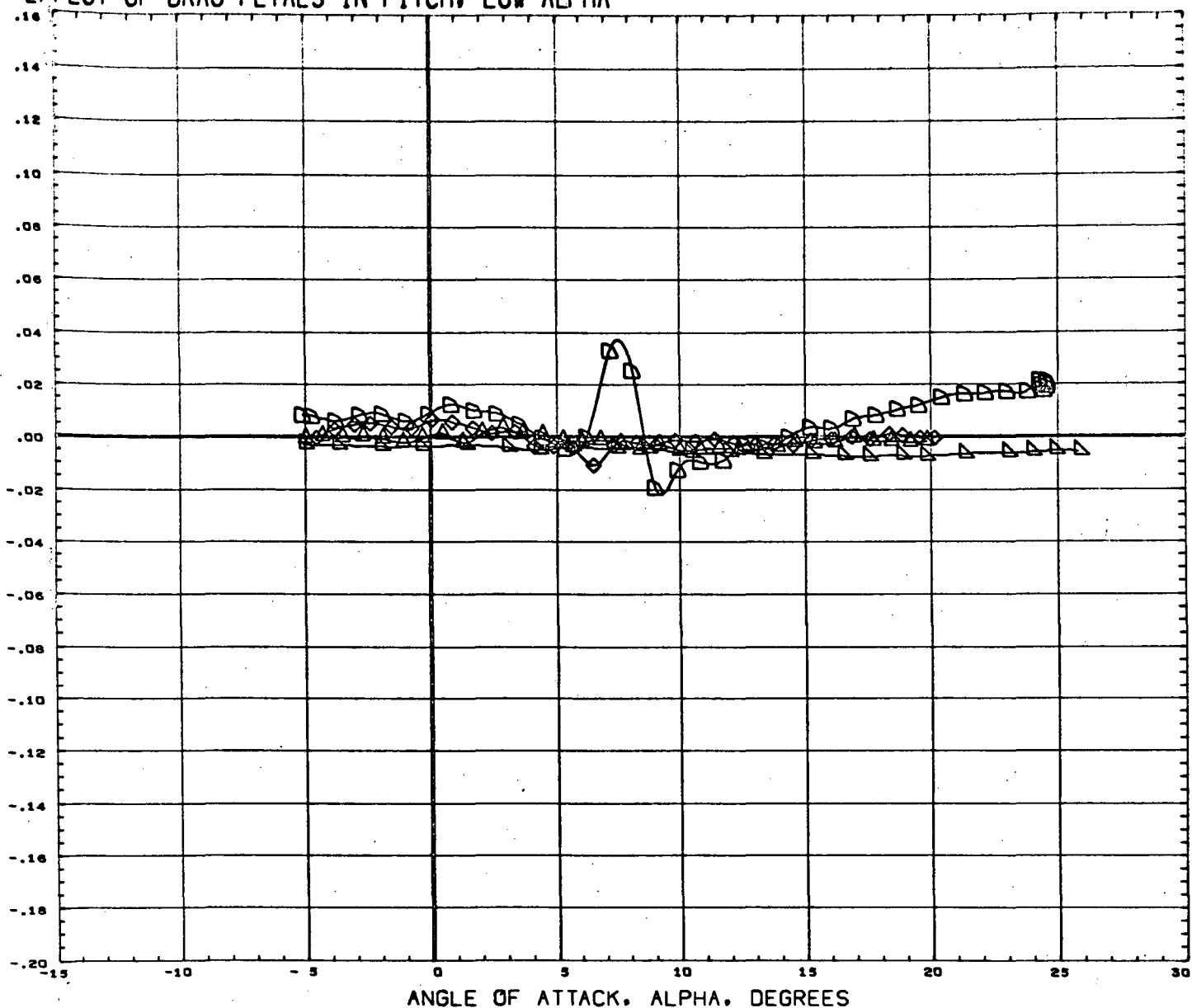
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

3.98

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8101)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.1
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.2
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3
(RD8141)	BTWT 1282/BSWT 557 PR-FED BRB 85S306.2

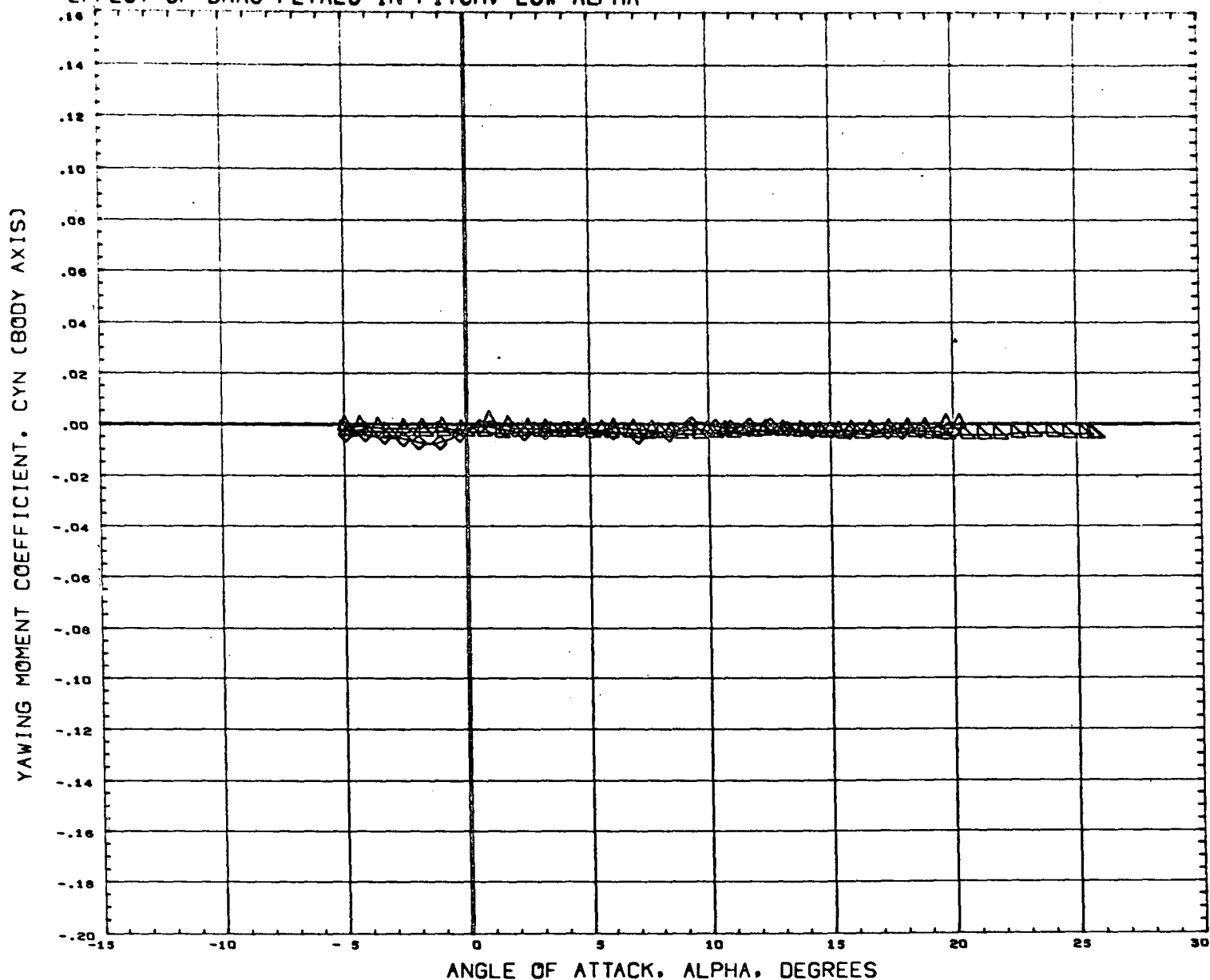
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



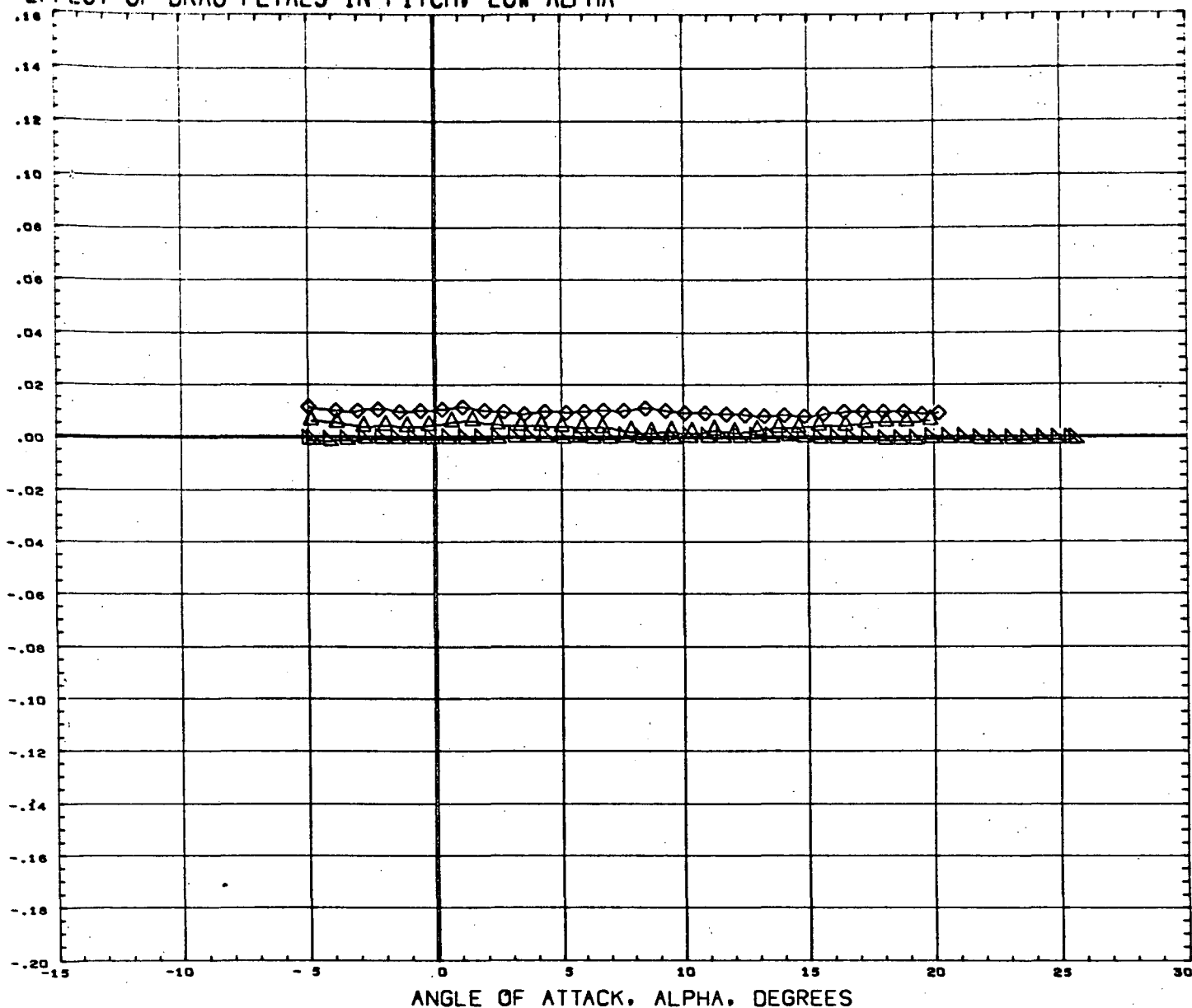
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB B5S303.1	0.000		LREF	14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB B5S303.2	0.000		BREF	14.6830 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		YMRP	0.0000 INCHES
(R08141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP	0.0000 INCHES
				SCALE	0.6899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



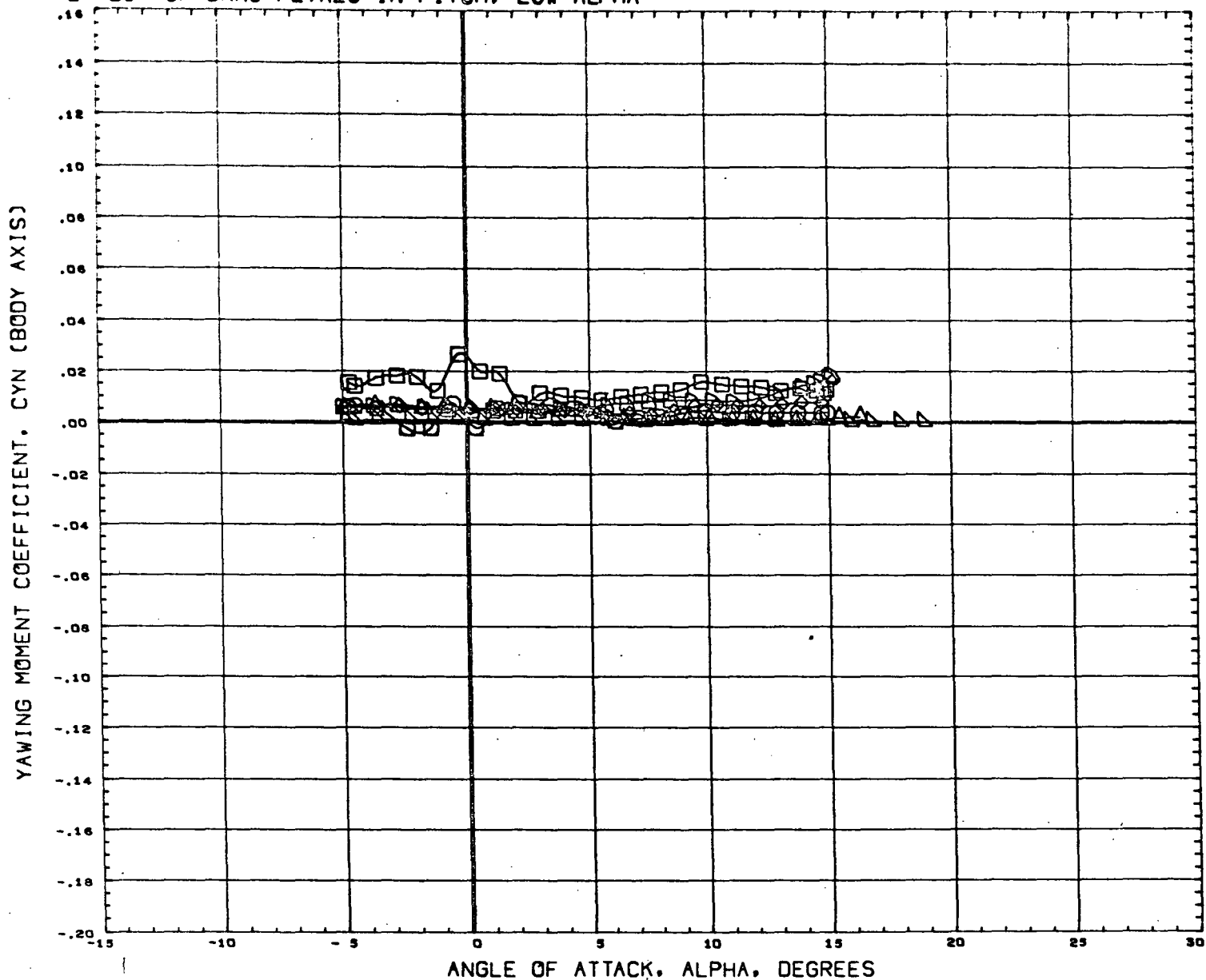
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD9031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(WD9101)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D3.1	0.000	
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D3.2	0.000	
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(CD9001)	BTWT 1282/BSWT 557 PR-FED BRB BSS3	0.000	
(RD8141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



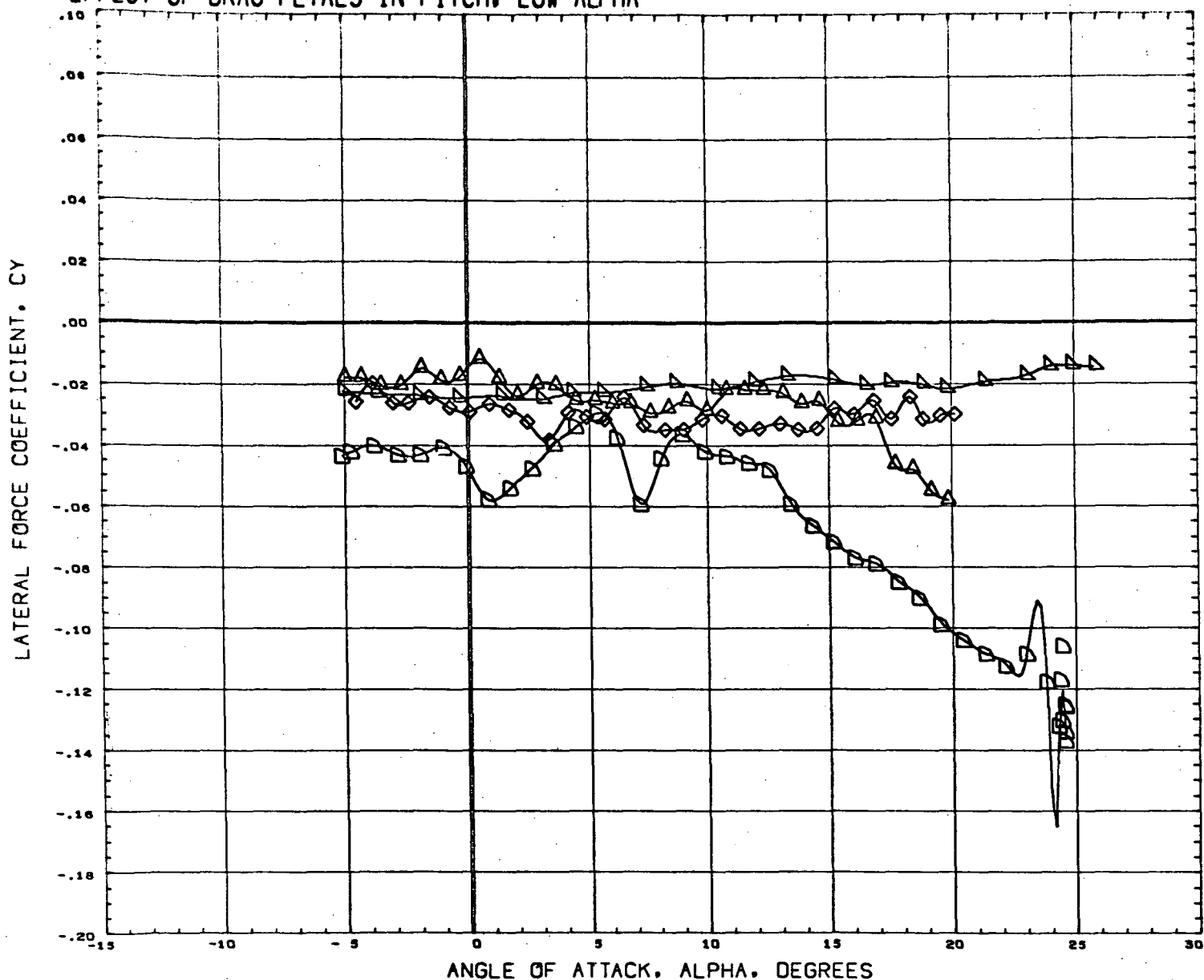
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08031)	BTWT 1282/BSWT 557 PR-FED BRB 855303	0.000		SREF 9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 855303.1	0.000		LREF 14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 855303.2	0.000		BREF 14.6830 INCHES
(R08161)	BTWT 1282/BSWT 557 PR-FED BRB 855303.3	0.000		XMRF 0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		YMRF 0.0000 INCHES
(R08141)	BTWT 1282/BSWT 557 PR-FED BRB 855306.2	0.000		ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

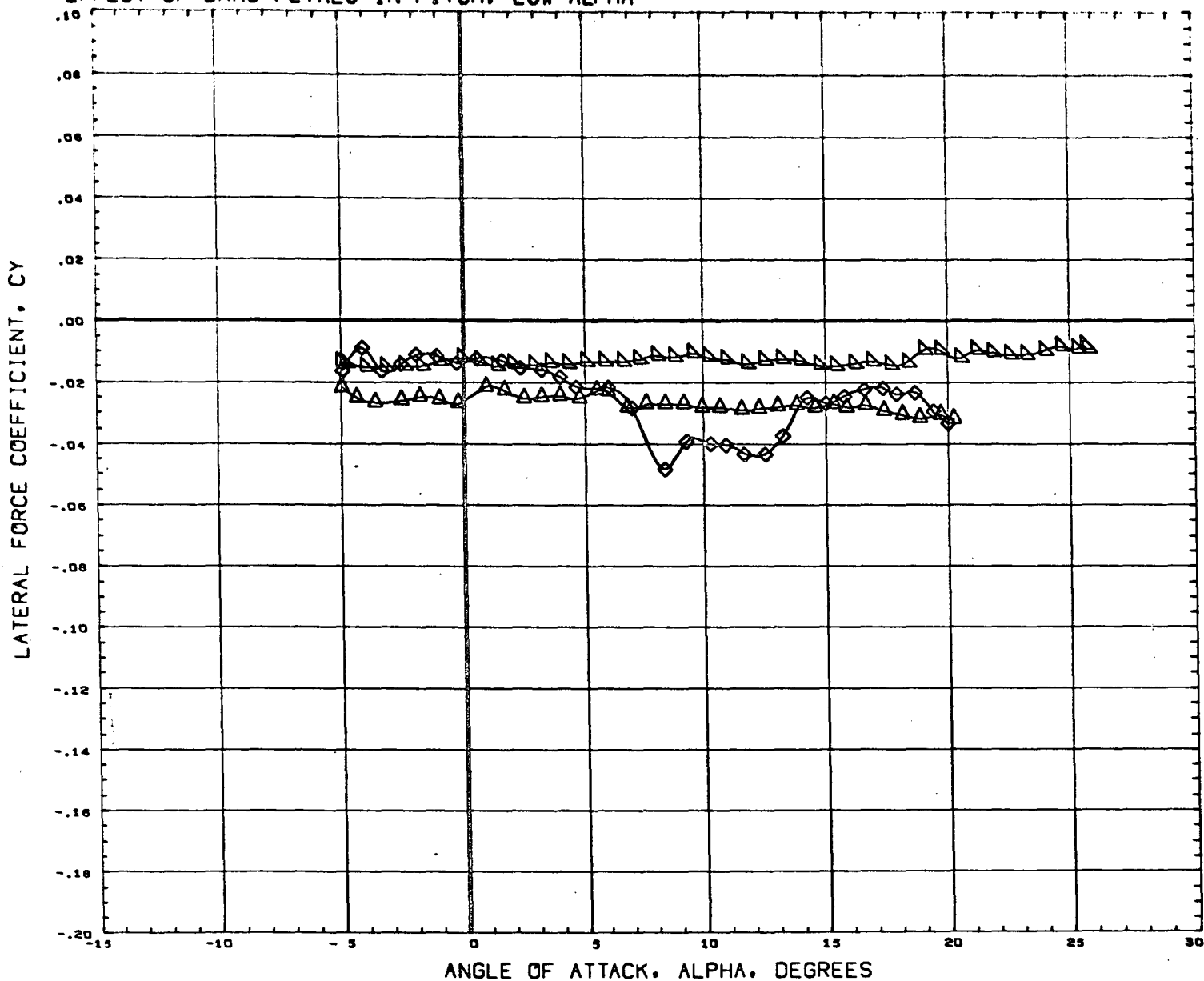


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF 9.7500 SQ. IN.
(W09101)	BTWT 1282/BSWT 557 PR-FED BRB B55303.1	0.000		LREF 14.6830 INCHES
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB B55303.2	0.000		BREF 14.6830 INCHES
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP 0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000		YMRP 0.0000 INCHES
(RD8141)	BTWT 1282/BSWT 557 PR-FED BRB B55306.2	0.000		ZMRP 0.0000 INCHES
				SCALE 0.6899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

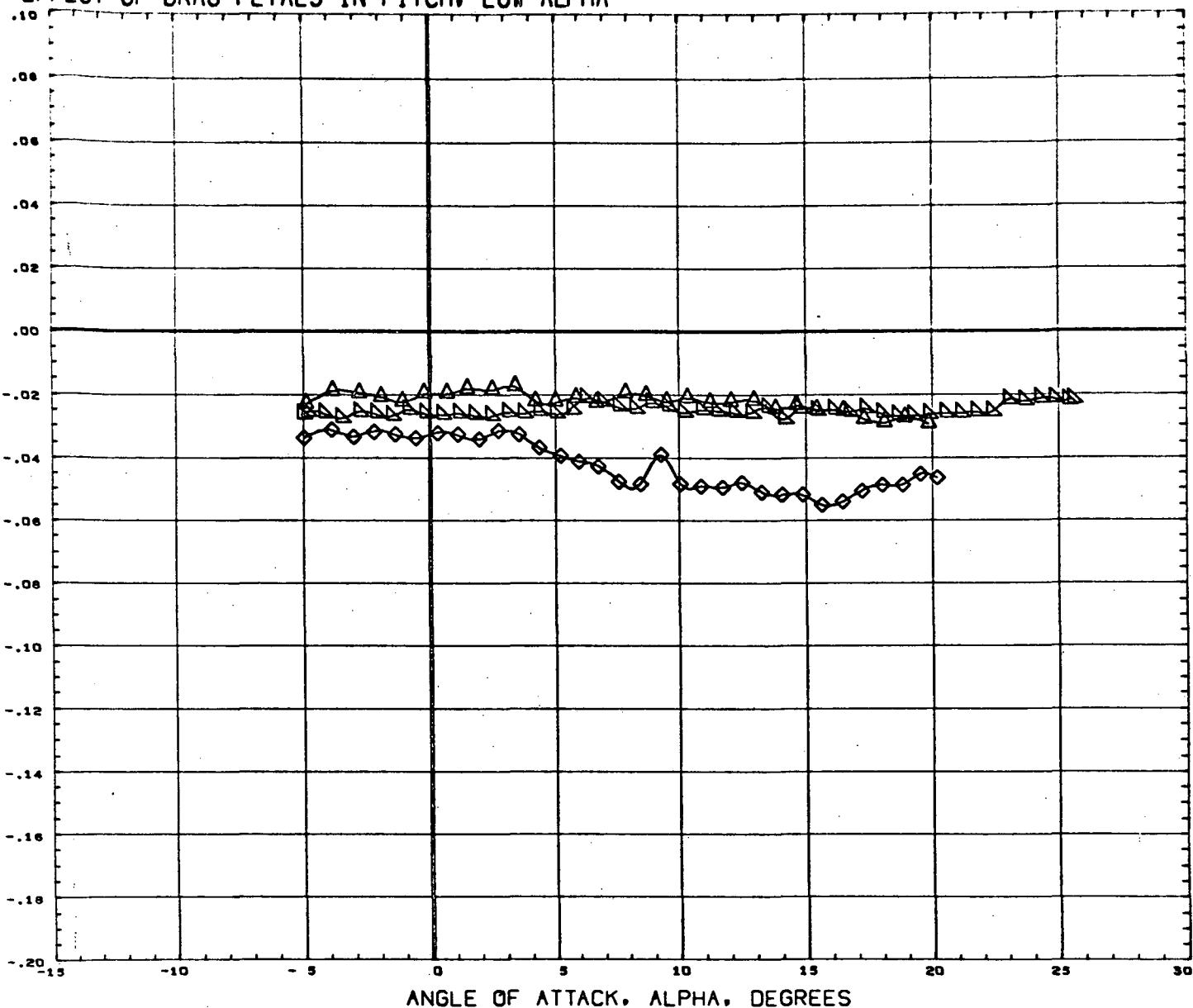


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(WD8031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(WD8101)	BTWT 1282/BSWT 557 PR-FED BRB 855303.1	0.000		LREF	14.6830 INCHES
(RD8131)	BTWT 1282/BSWT 557 PR-FED BRB 855303.2	0.000		BREF	14.6830 INCHES
(RD8161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRF	0.6000 LBODY
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		YMRF	0.0000 INCHES
(RD8141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRF	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

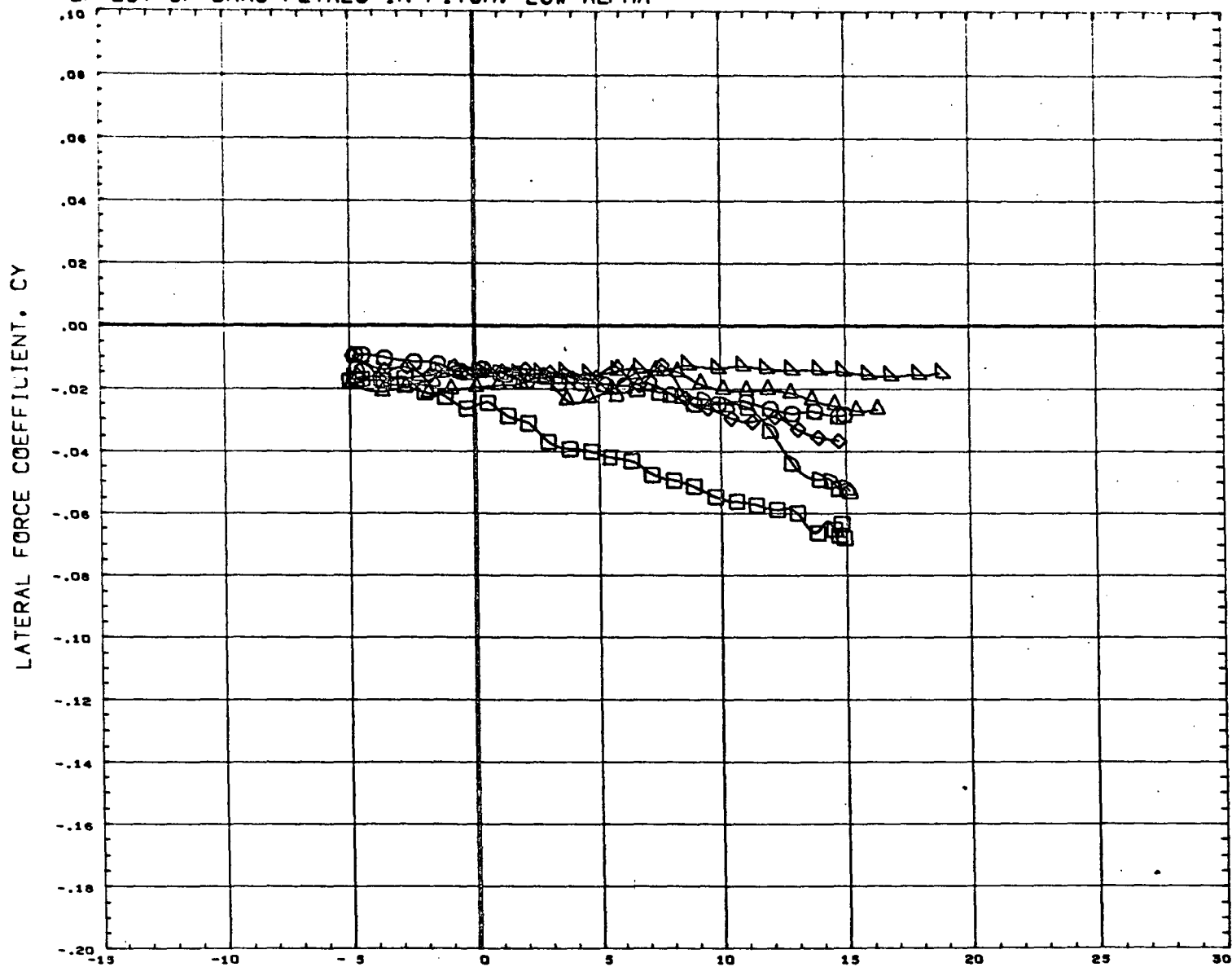


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08031)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.1	0.000		LREF	14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557 PR-FED BRB 85S303.2	0.000		BREF	14.6830 INCHES
(R08161)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		YMRP	0.0000 INCHES
(R08141)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

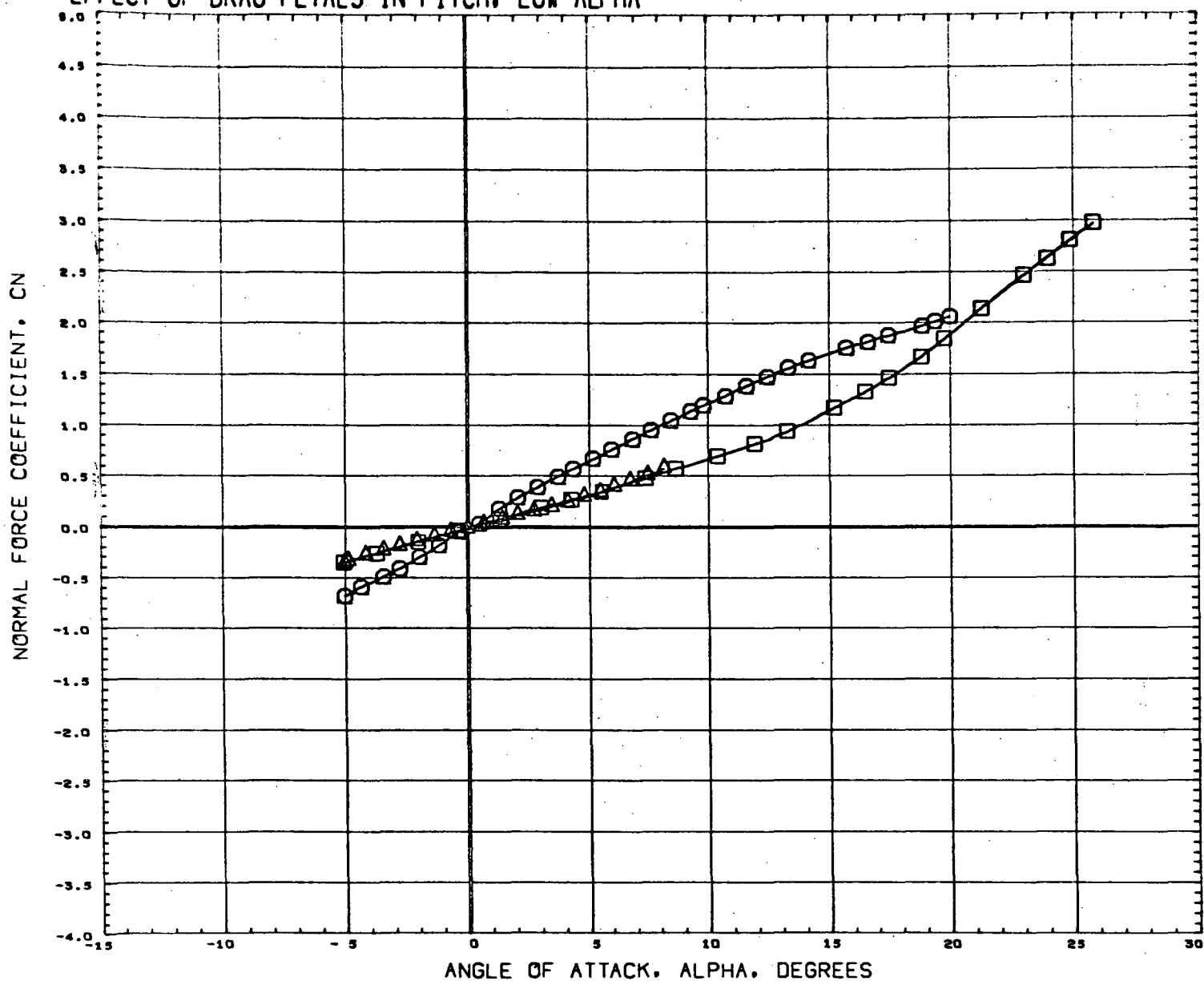


DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV	REFERENCE INFORMATION	
(W08031)	BTWT 1282/BSWT 557	PR-FED BRB	B5S303		0.000		SREF	9.7500 SQ. IN.
(W08101)	BTWT 1282/BSWT 557	PR-FED BRB	B5S303.1		0.000		LREF	14.6830 INCHES
(R08131)	BTWT 1282/BSWT 557	PR-FED BRB	B5S303.2		0.000		BREF	14.6830 INCHES
(R08161)	BTWT 1282/BSWT 557	PR-FED BRB	B5S303.3		0.000		XMRP	0.6000 LBODY
(C08001)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3		0.000		YMRP	0.0000 INCHES
(R08141)	BTWT 1282/BSWT 557	PR-FED BRB	B5S306.2		0.000		ZMRP	0.0000 INCHES
							SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



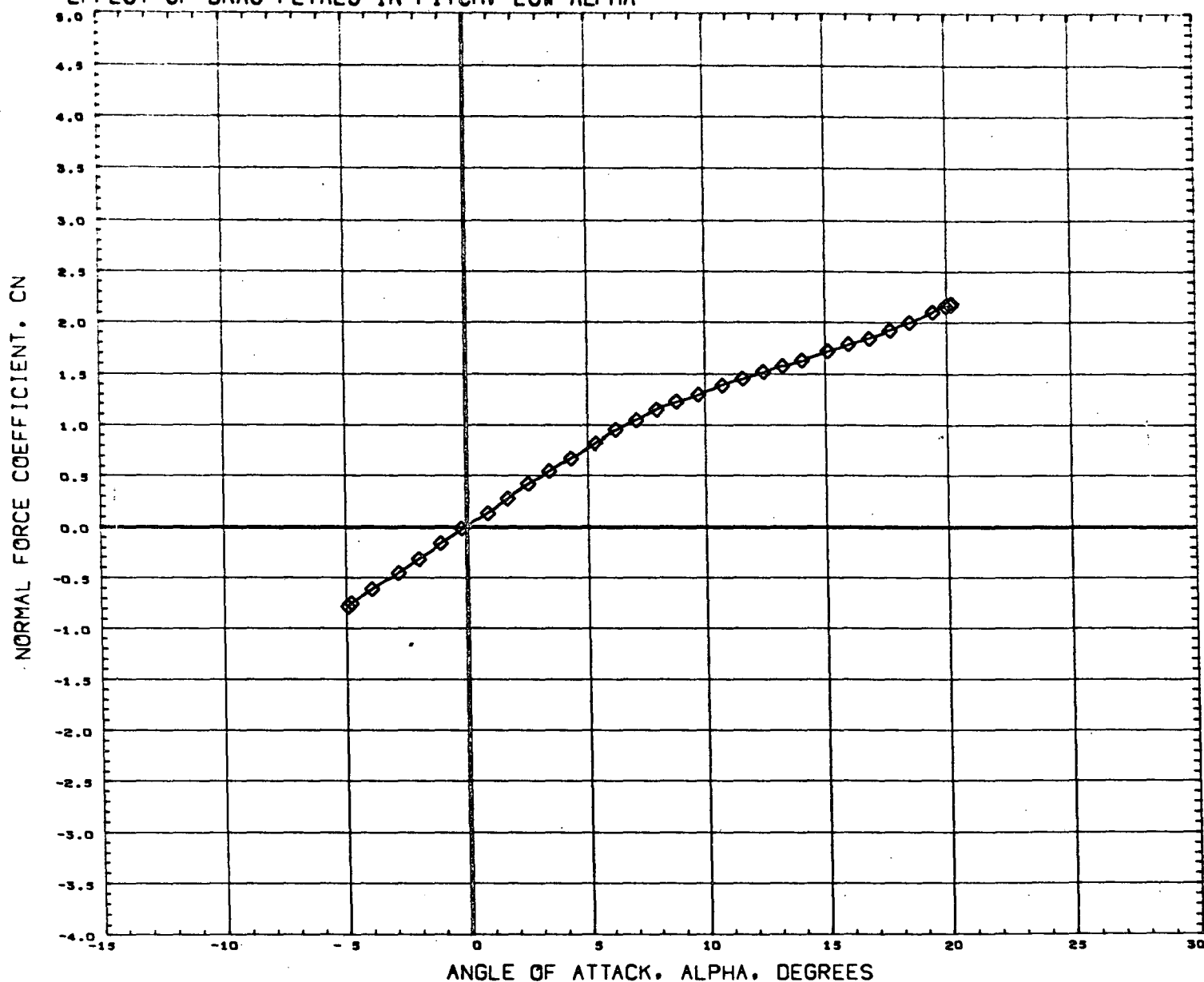
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000	
(B09111)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1	0.000	
(B09171)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808051)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808111)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808171)	BTWT 1282/BSWT 557 PR-FED BRB BSS305.3
(808001)	DATA NOT AVAILABLE FOR ALL CONDITIONS

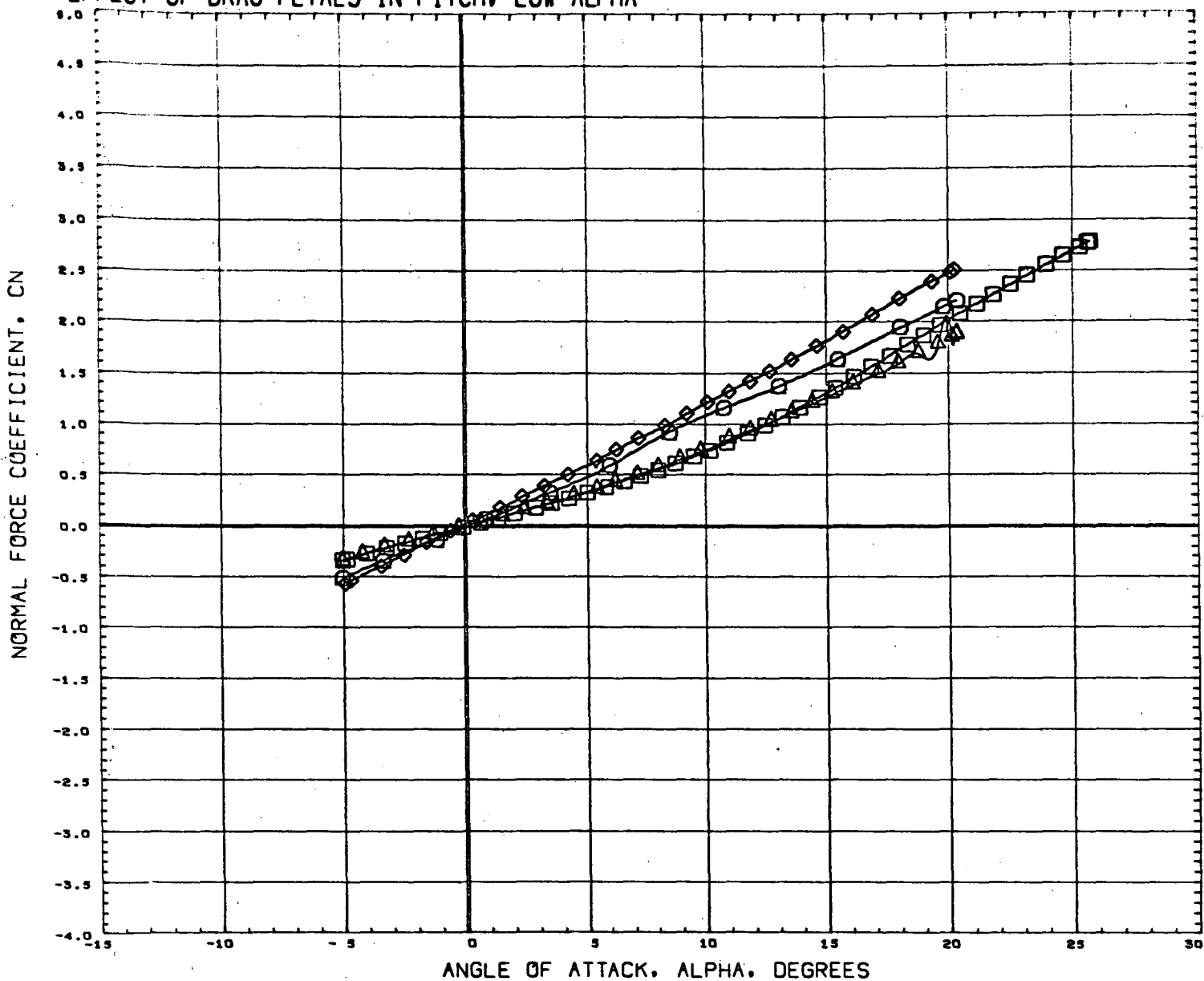
BETA	DELTA V
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

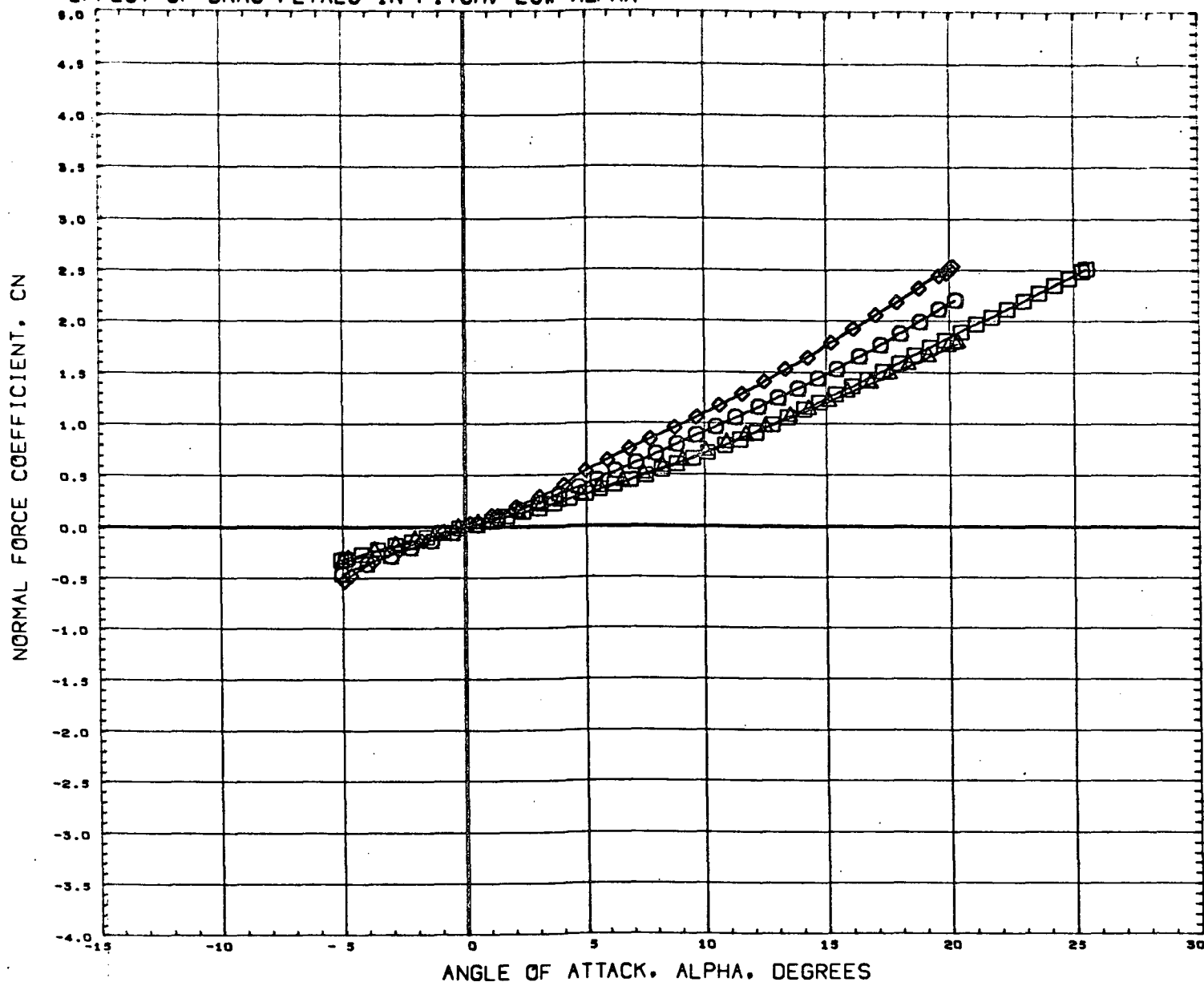


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000		SREF	9.7500 SQ. IN.
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1	0.000		LREF	14.6830 INCHES
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3	0.000		BREF	14.6830 INCHES
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



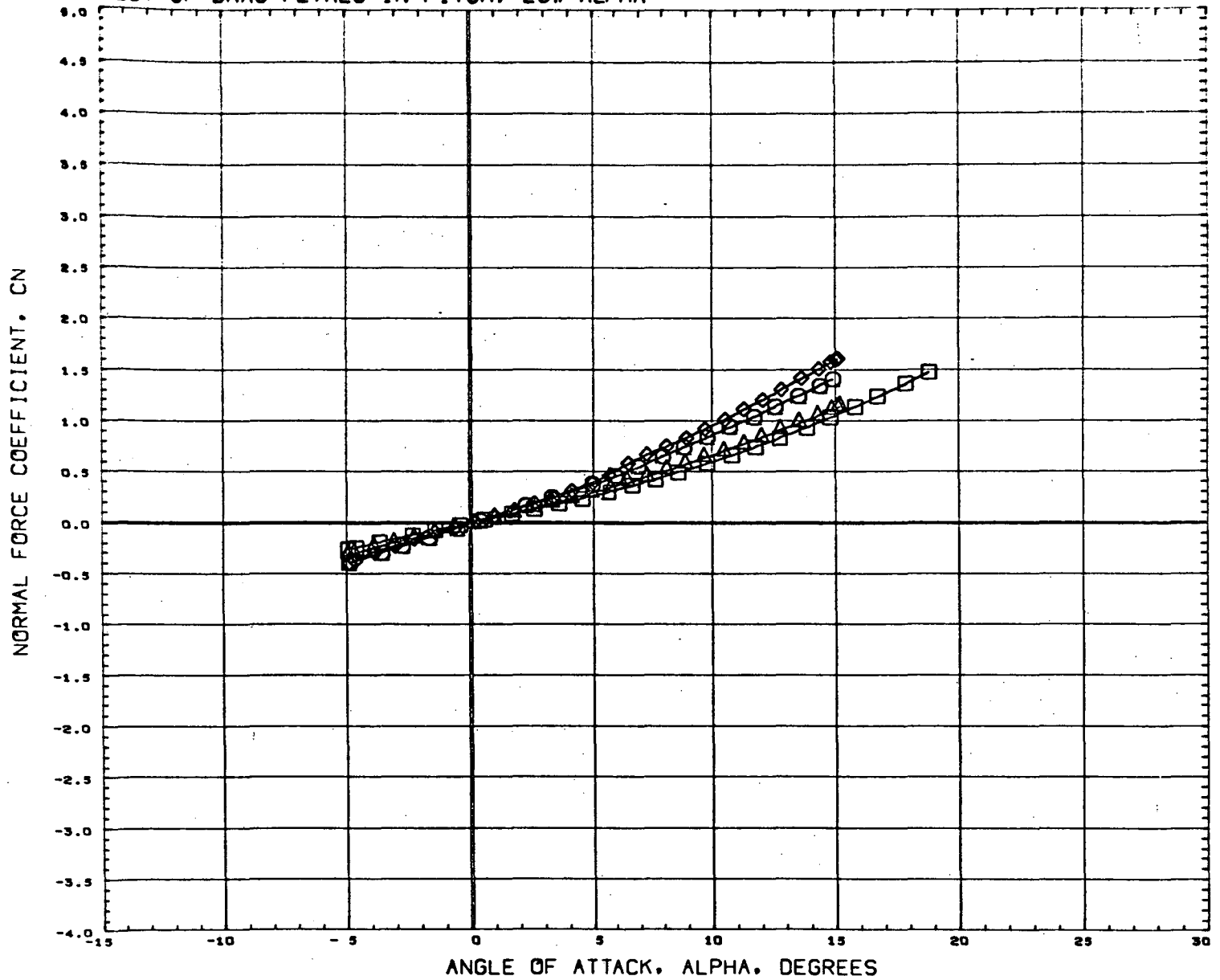
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 855305	0.000		SREF	9.7500 SQ. IN.
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB 855305.1	0.000		LREF	14.6830 INCHES
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB 855305.3	0.000		BREF	14.6830 INCHES
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

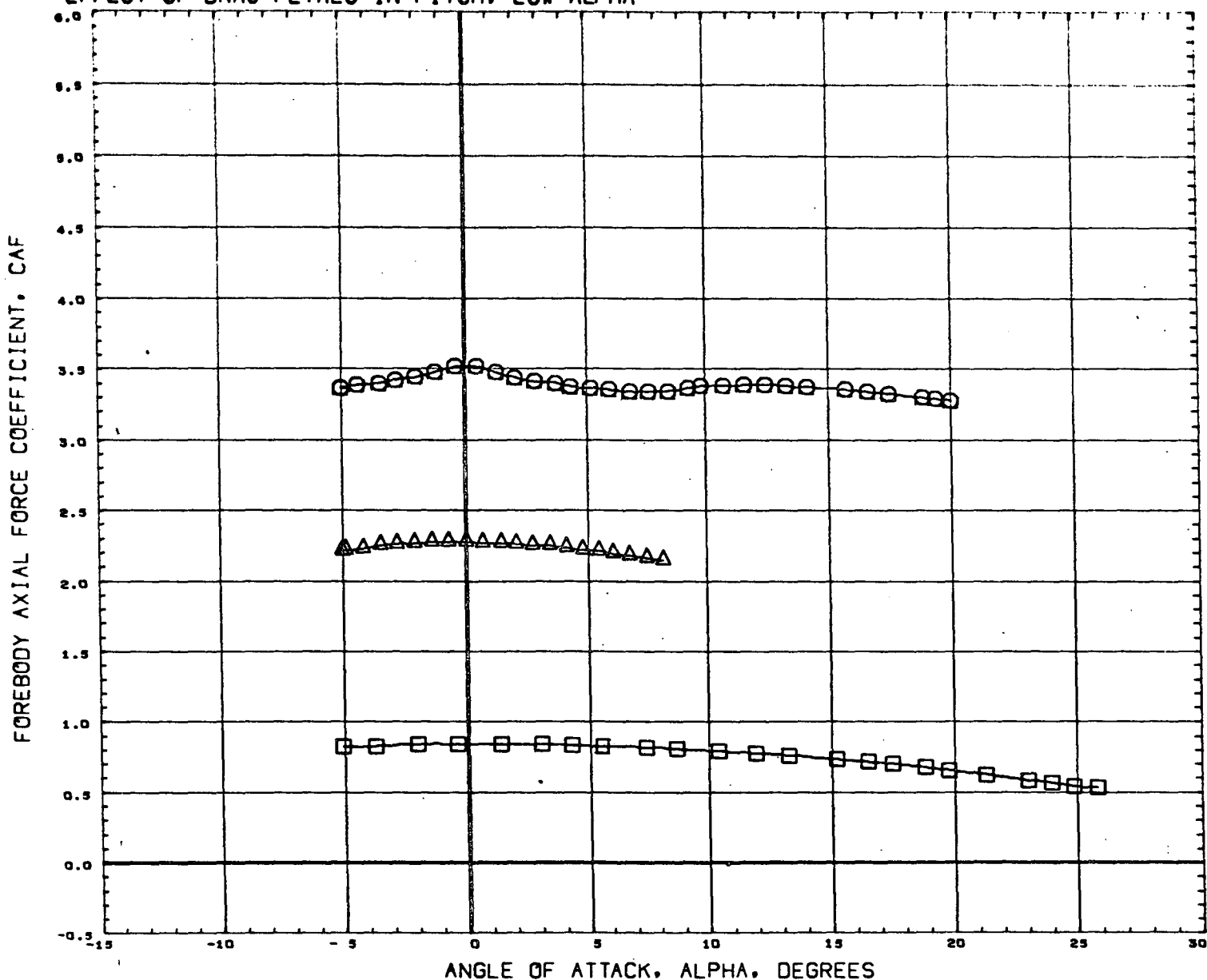


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000		SREF 9.7500 SQ. IN.
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1	0.000		LREF 14.6830 INCHES
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3	0.000		BREF 14.6830 INCHES
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



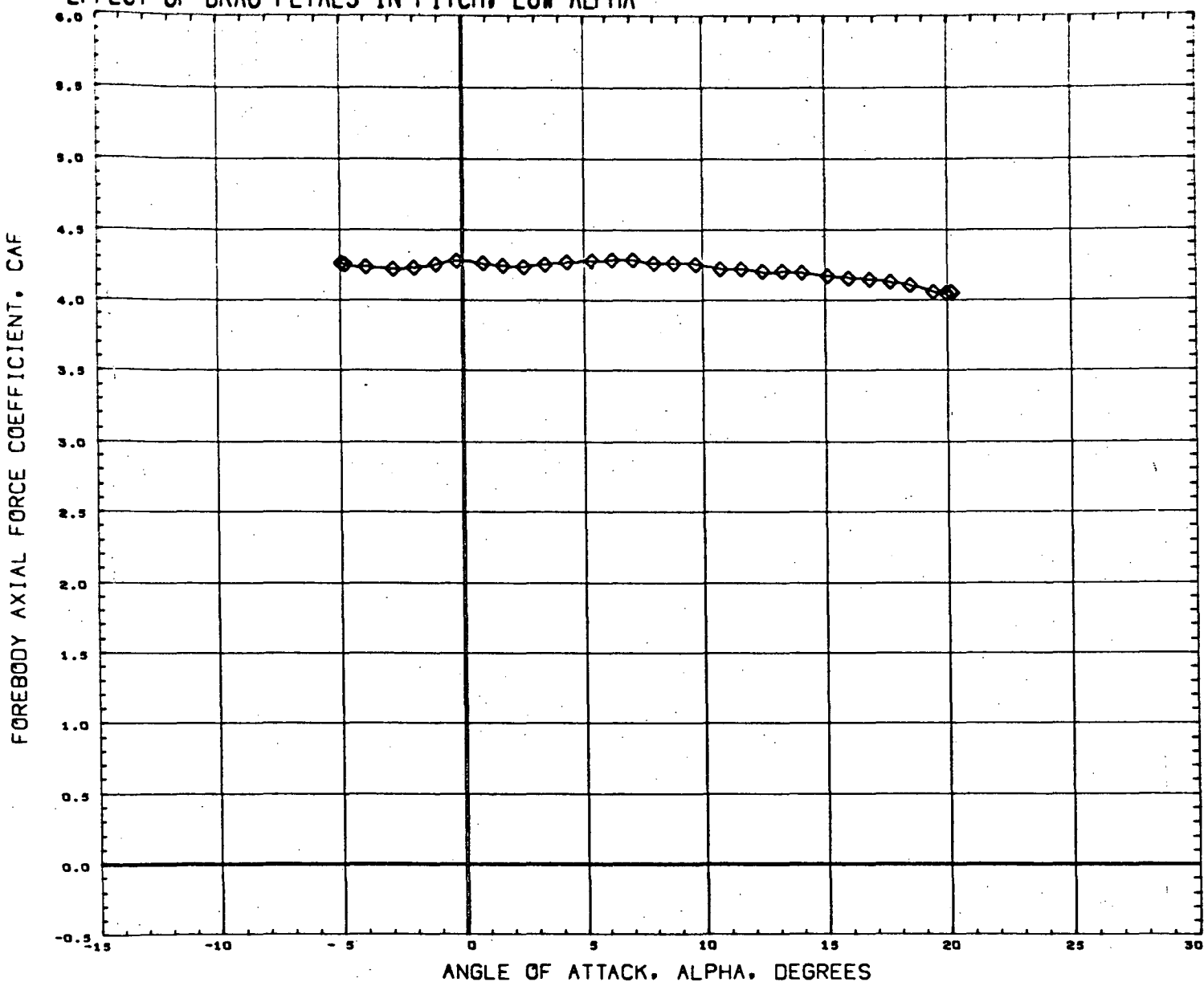
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000	
(B08111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1	0.000	
(B08171)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



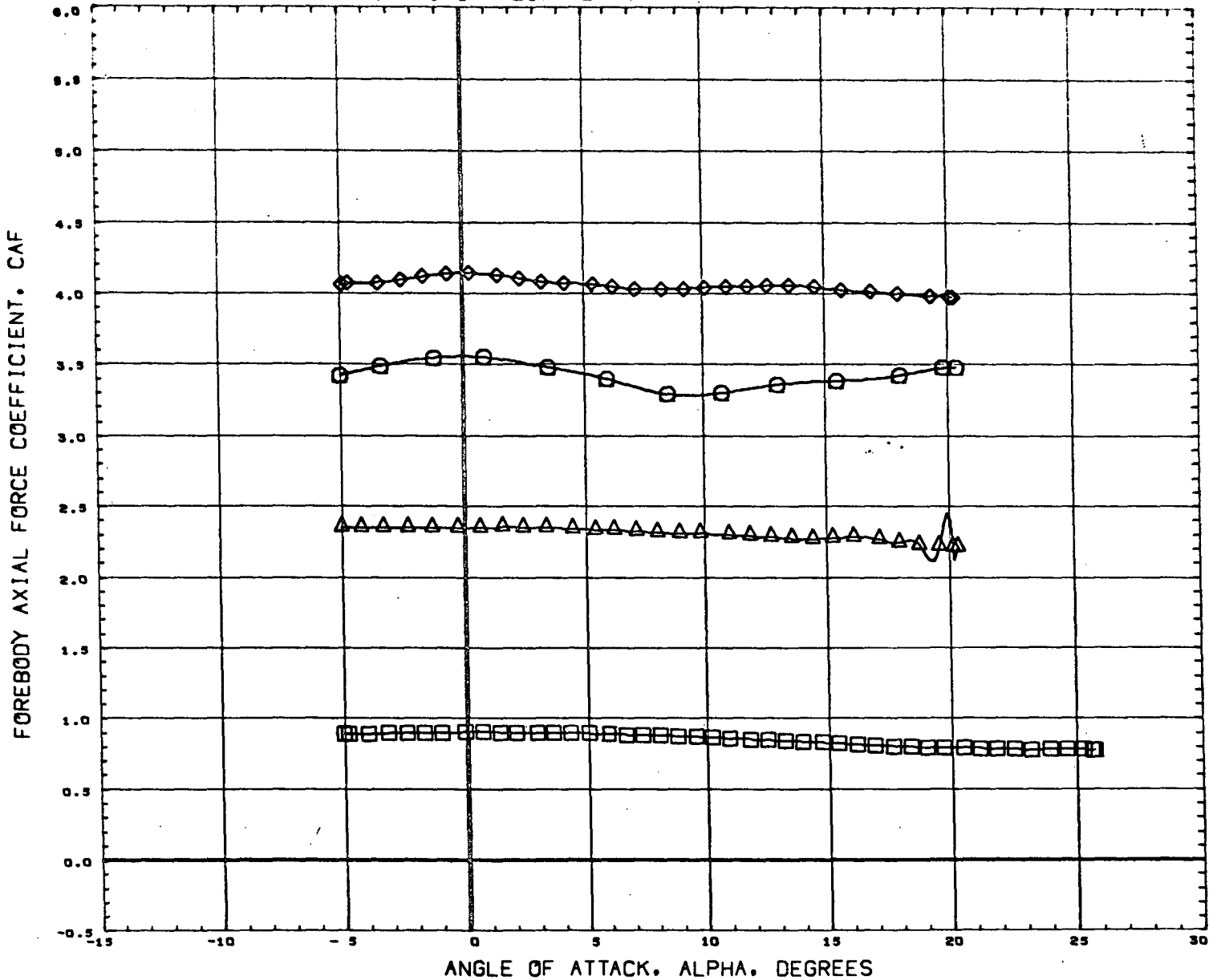
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(B08051)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(B08111)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(B08171)	BTWT 1282/BSWT 557 PR-FED BRB 853305.3	0.000	
(C08001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

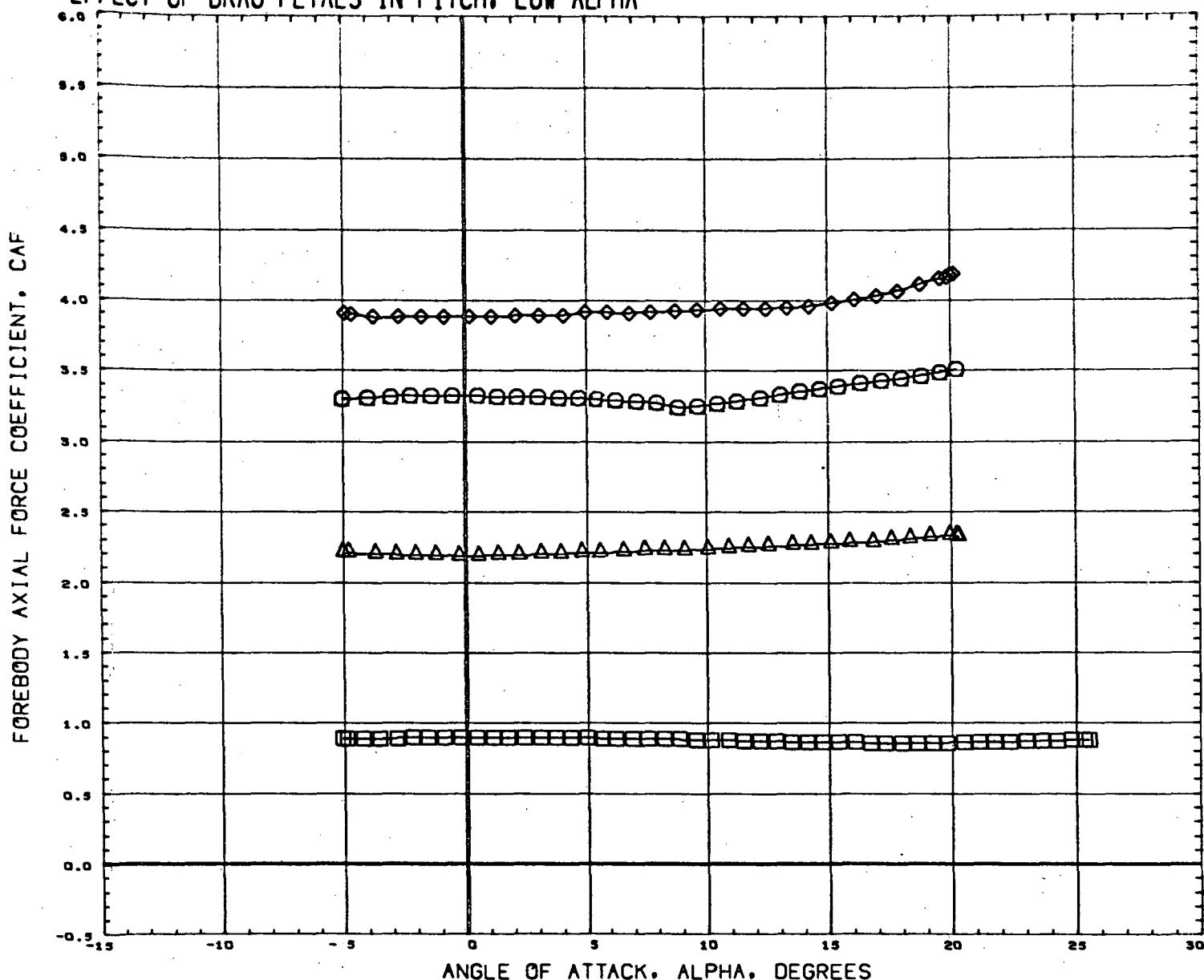


DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION		
(BD8051)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D5		0.000		SREF	9.7500	SQ. IN.
(BD8111)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D5.1		0.000		LREF	14.6830	INCHES
(BD8171)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D5.3		0.000		BREF	14.6830	INCHES
(C08001)	BTWT 1282/BSWT 557	PR-FED BRB	85S3		0.000		XMRP	0.6000	LBODY
							YMRP	0.0000	INCHES
							ZMRP	0.0000	INCHES
							SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



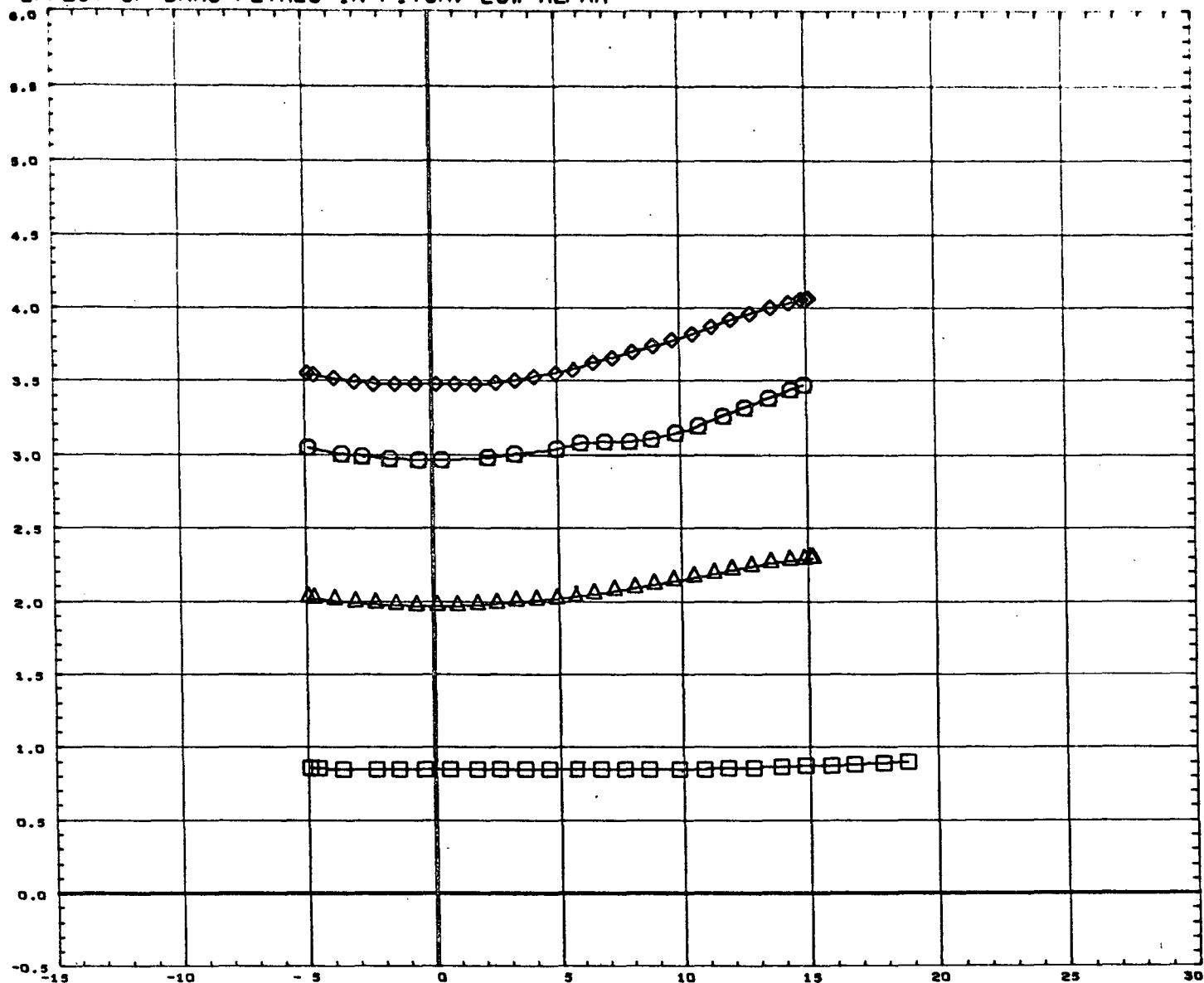
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5	0.000		SREF	9.7500 SQ. IN.
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5.1	0.000		LREF	14.6830 INCHES
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5.3	0.000		BREF	14.6830 INCHES
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

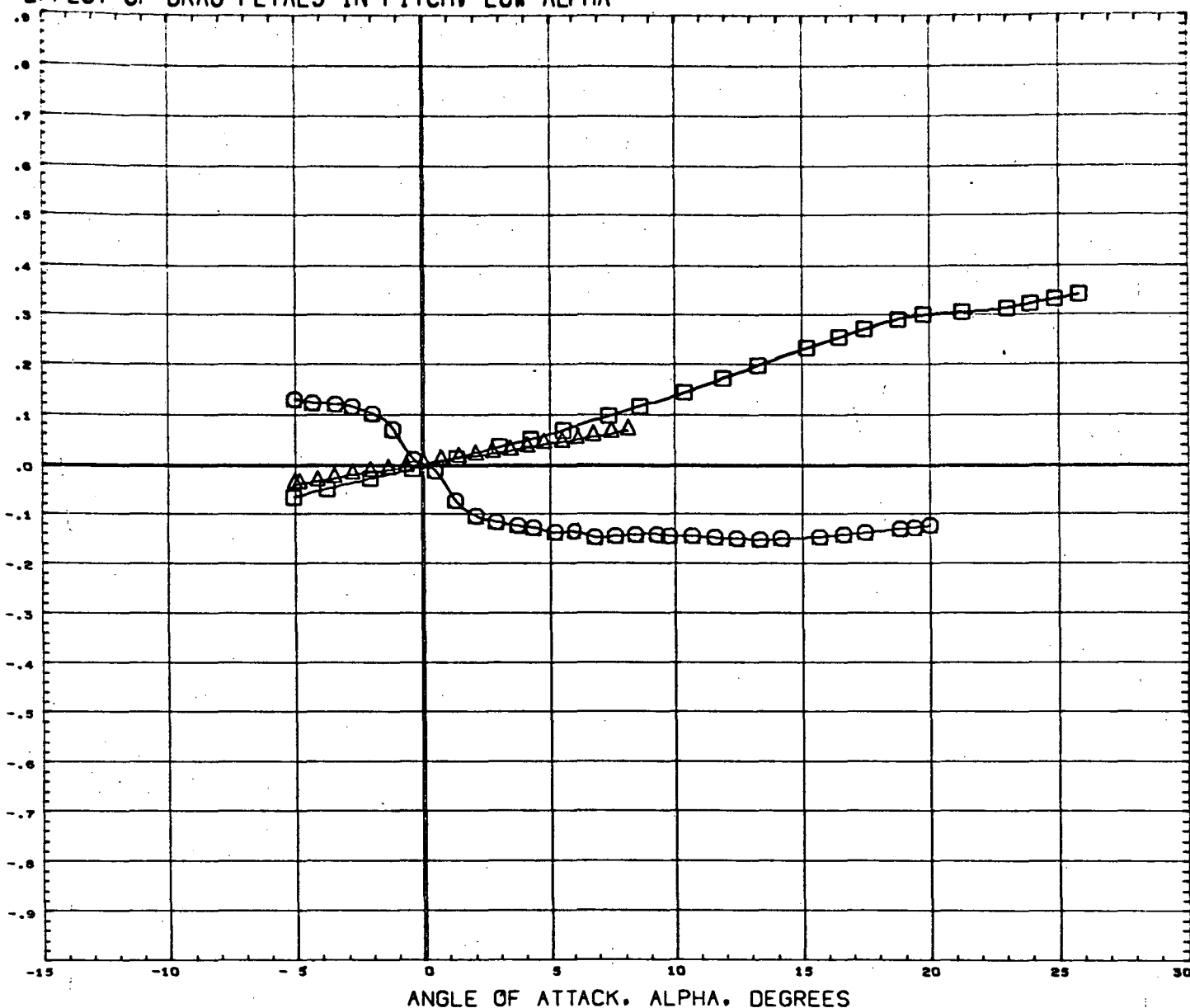
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(808051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000		SREF	9.7500 SQ. IN.
(808111)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1	0.000		LREF	14.6830 INCHES
(808171)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.3	0.000		BREF	14.6830 INCHES
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB B5S305	0.000	
(B08111)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.1	0.000	
(B08171)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	

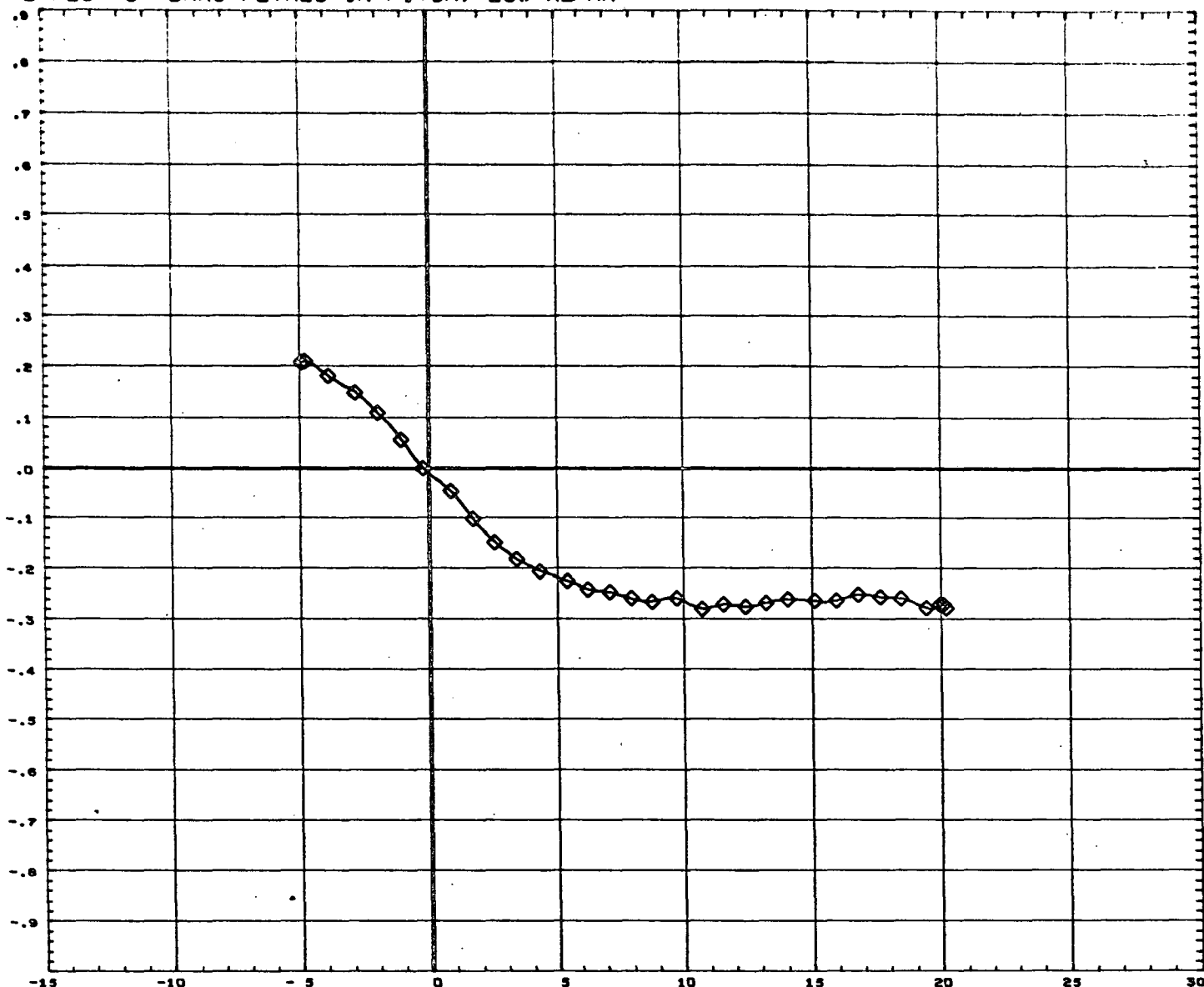
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(B08051)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(B08111)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(B08171)	BTWT 1262/BSWT 557 PR-FED BRB 855305.3
(C08001)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

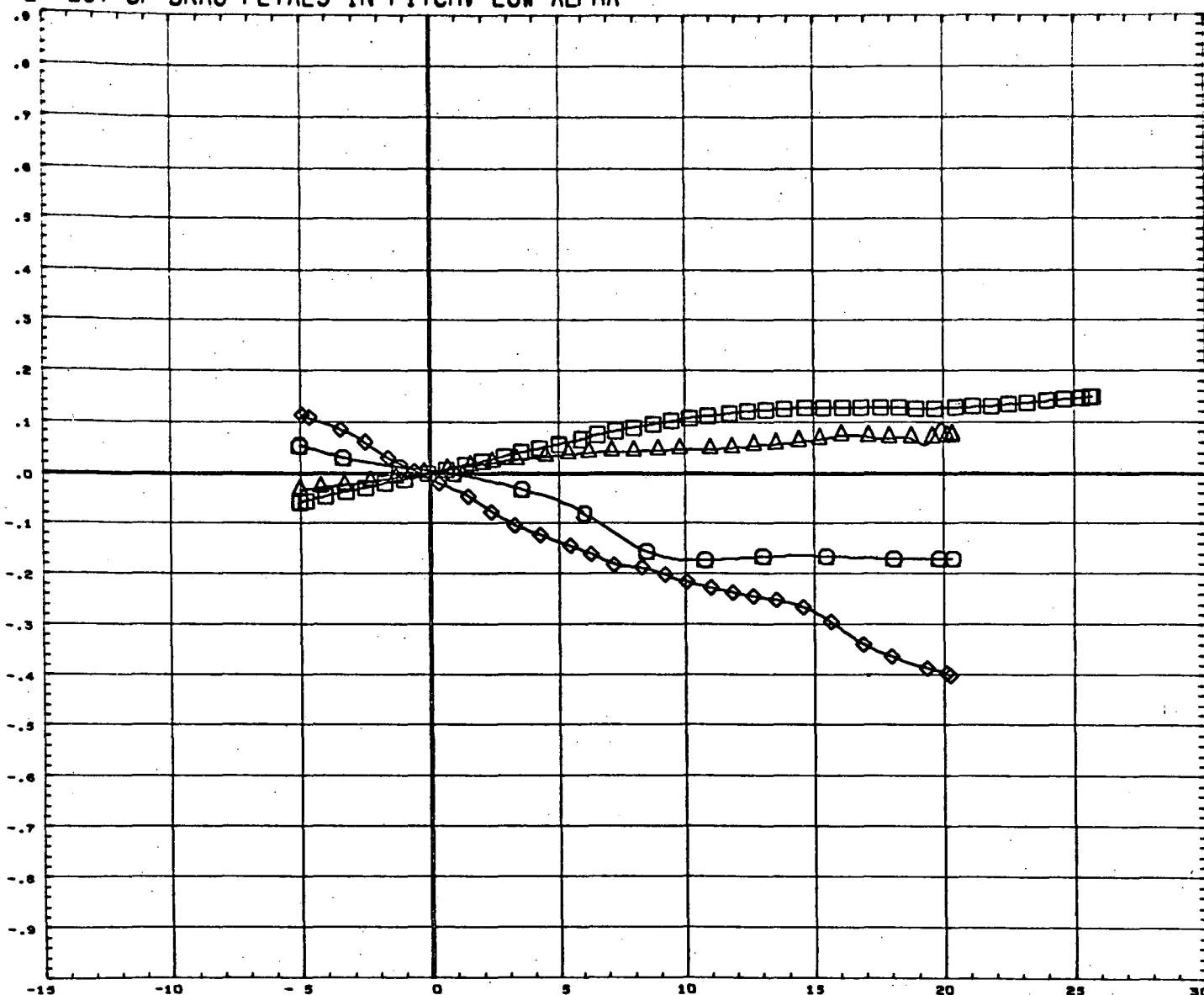
MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.1
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.3
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3

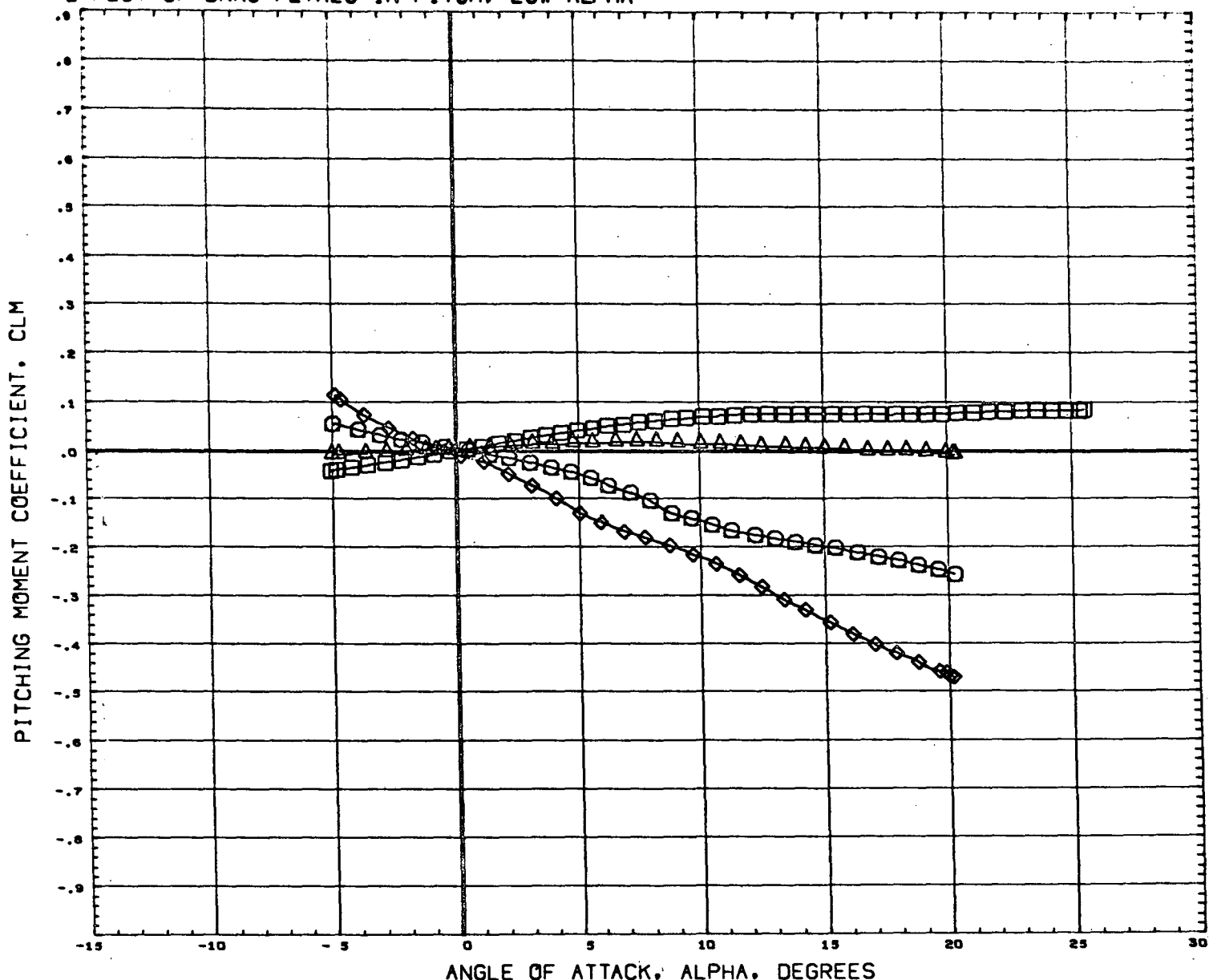
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



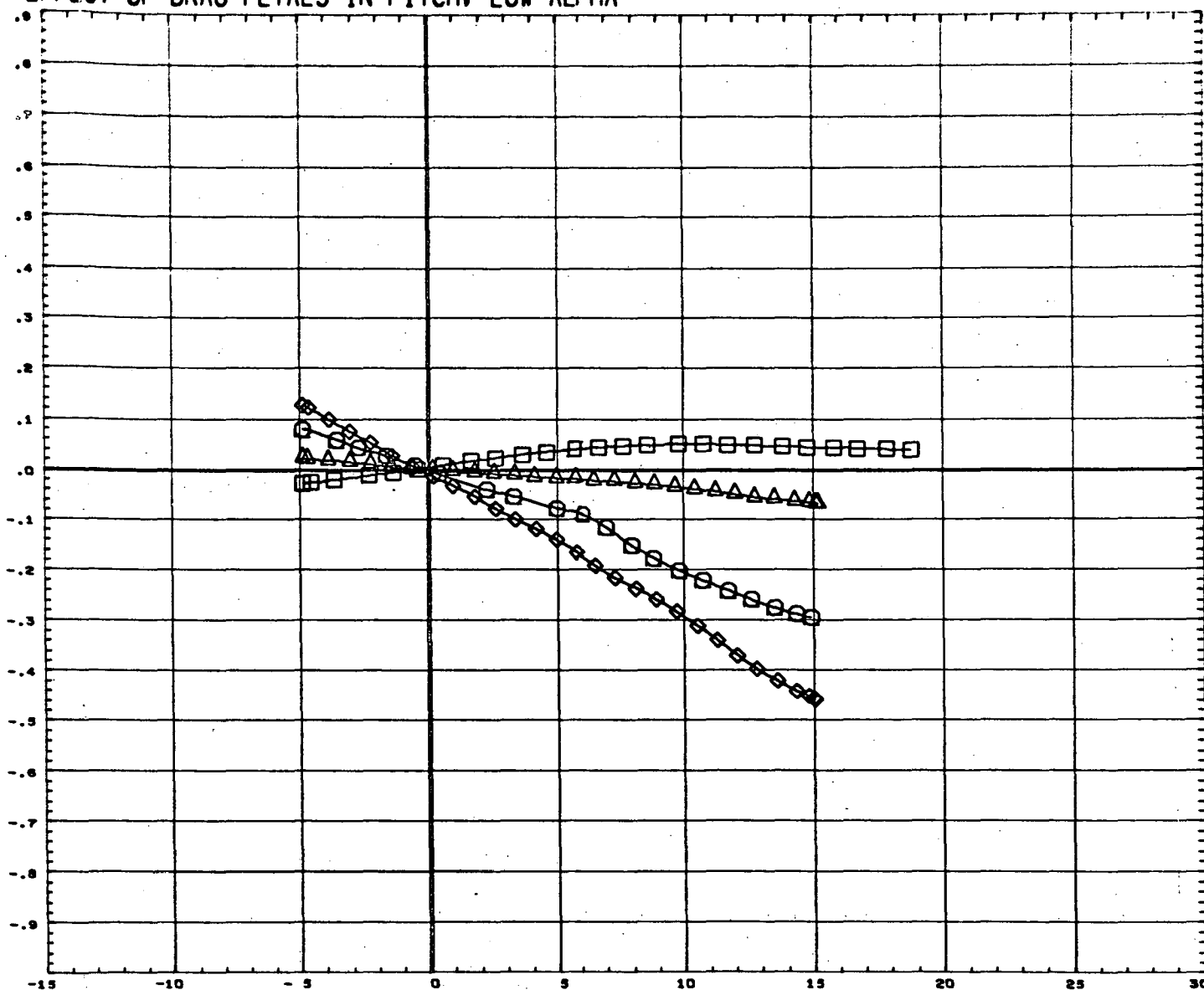
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(808051)	BTWT 1262/BSWT 557 PR-FED BRB 85S305	0.000		SREF 9.7500 SQ. IN.
(808111)	BTWT 1262/BSWT 557 PR-FED BRB 85S305.1	0.000		LREF 14.6830 INCHES
(808171)	BTWT 1262/BSWT 557 PR-FED BRB 85S305.3	0.000		BREF 14.6830 INCHES
(CD8001)	BTWT 1262/BSWT 557 PR-FED BRB 85S3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



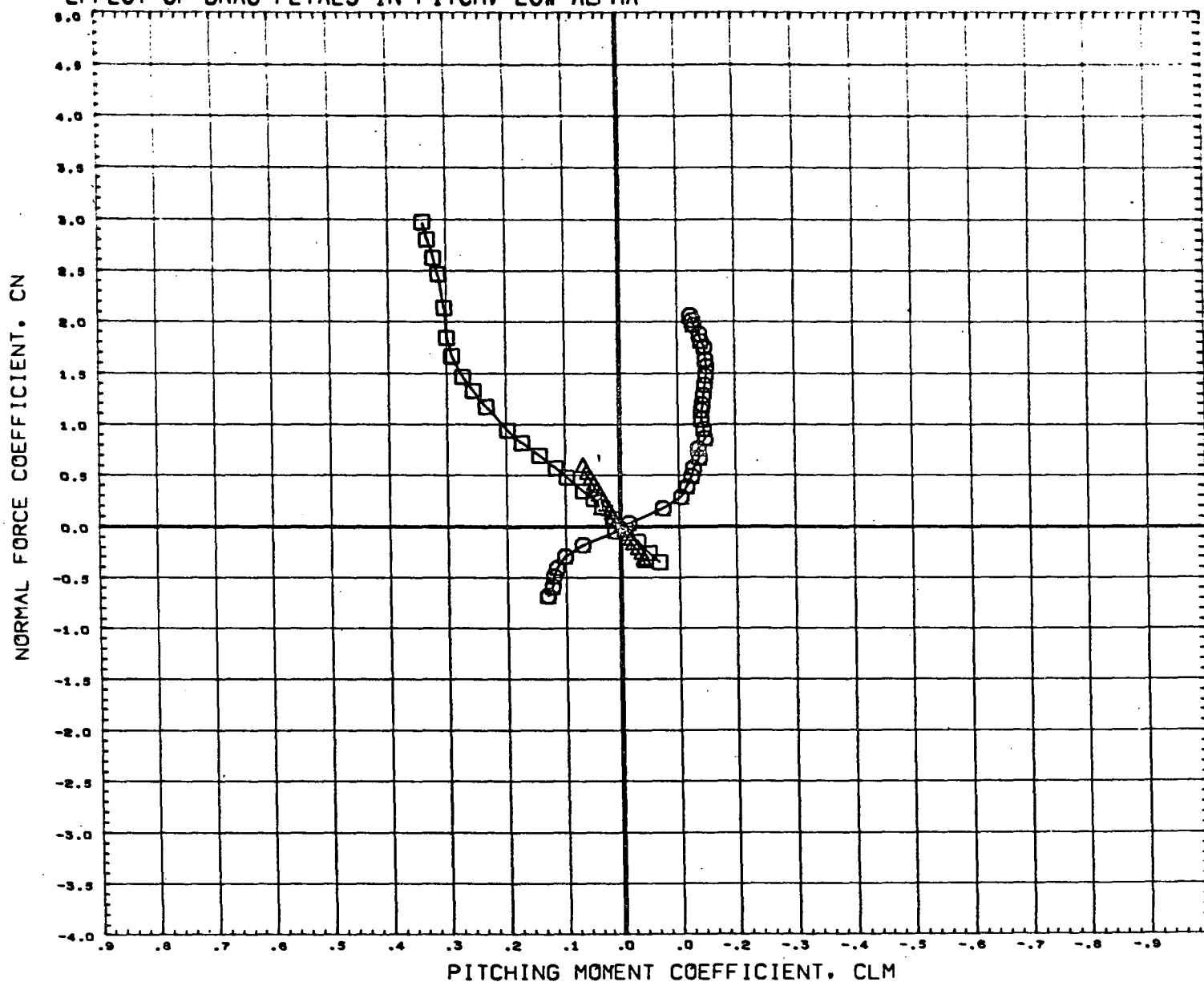
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 855305	0.000		SREF 9.7500 SQ. IN.
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB 855305.1	0.000		LREF 14.6830 INCHES
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB 855305.3	0.000		BREF 14.6830 INCHES
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		XMRP 0.0000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8699 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8031)	BTWT 1282/BSWT 557 PR-FED BRB B553D5
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB B553D5.1
(BD8171)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553

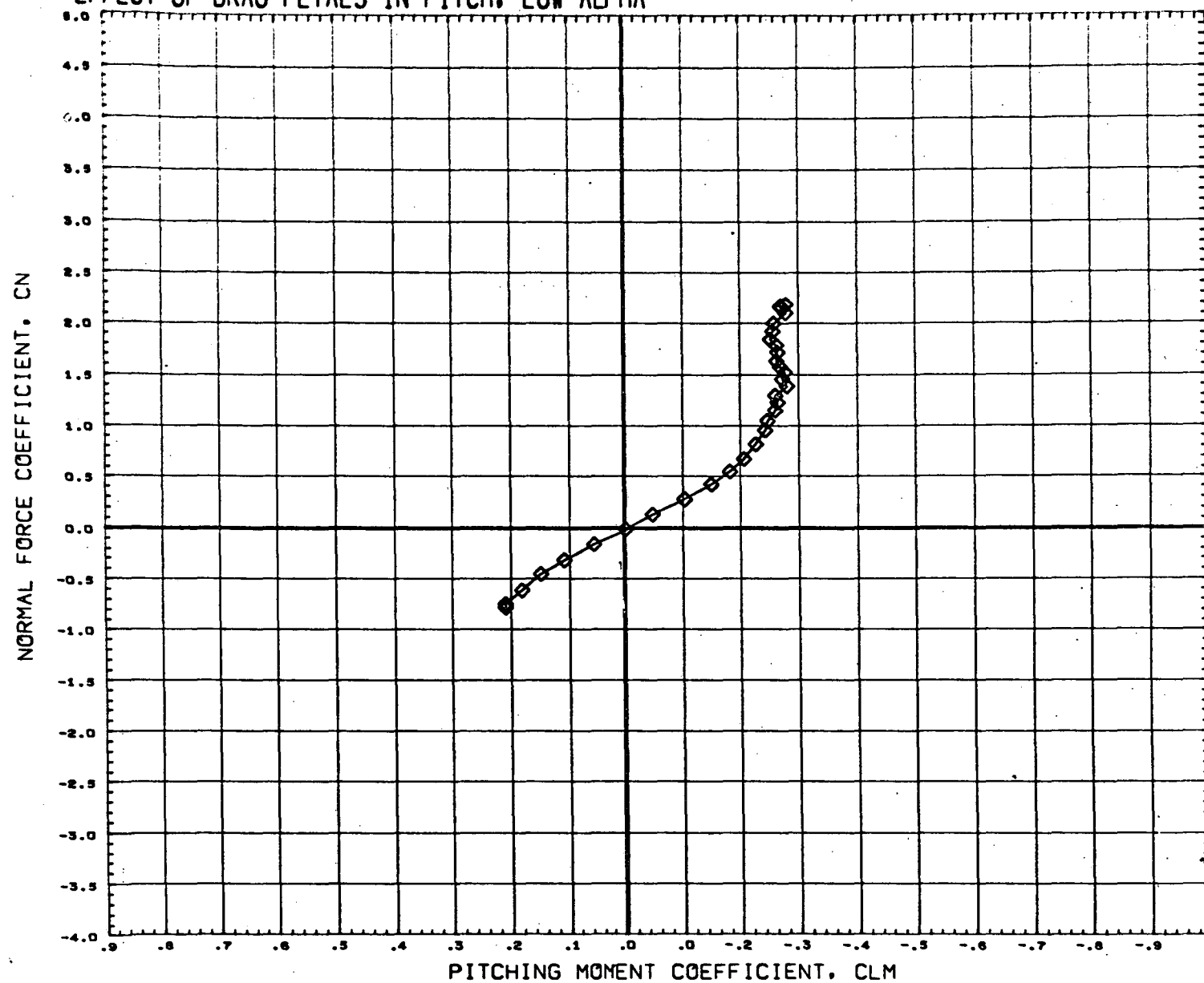
BETA	DELTA V
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 1.29

PAGE 240

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8051)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8111)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB BSS305.3
(CD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS

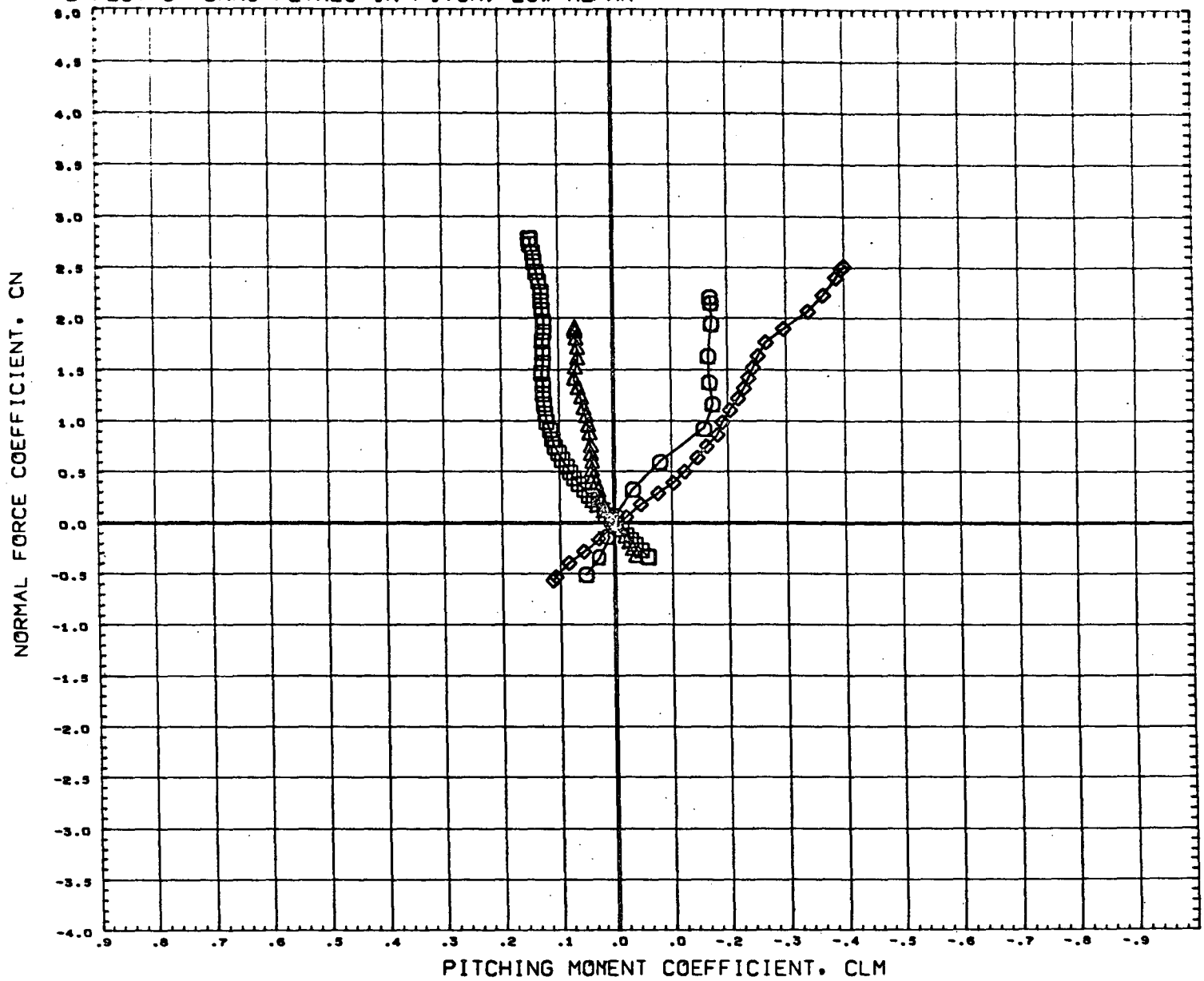
BETA	DELTA V
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808051)	BTWT 1202/BSWT 557 PR-FED BRB 8553D5
(808111)	BTWT 1202/BSWT 557 PR-FED BRB 8553D5.1
(808171)	BTWT 1202/BSWT 557 PR-FED BRB 8553D5.3
(C08001)	BTWT 1202/BSWT 557 PR-FED BRB 8553

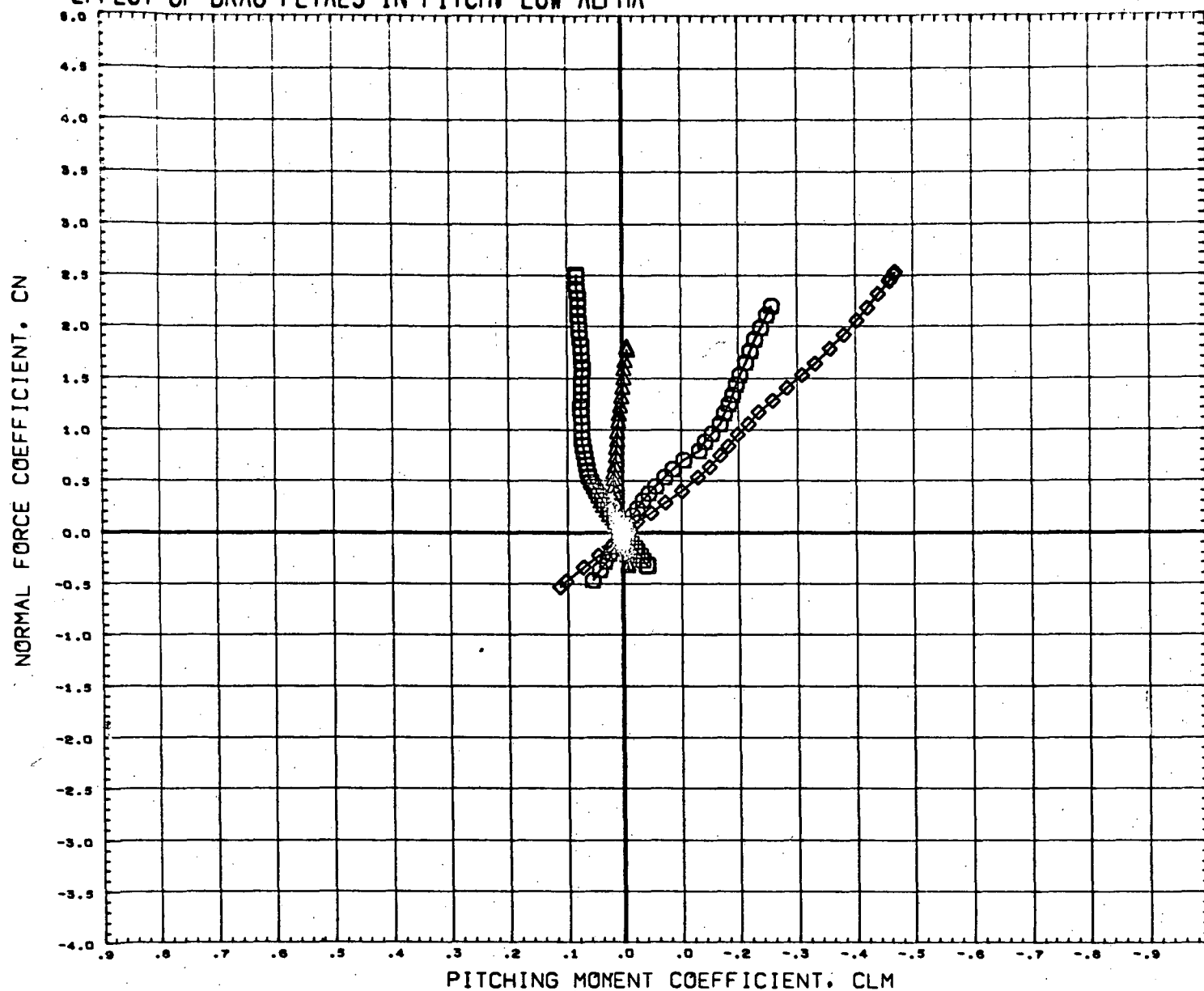
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

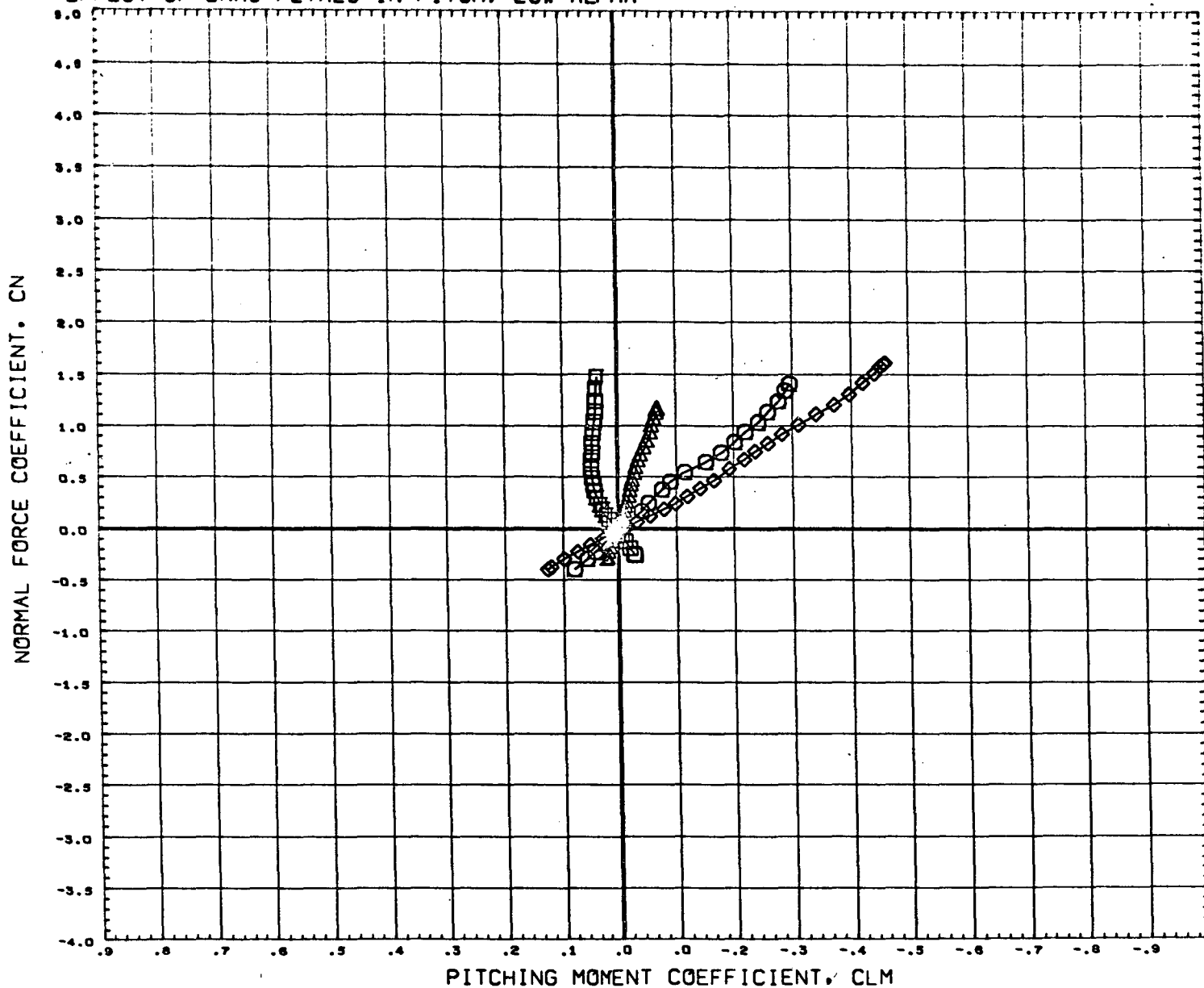


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		SREF 9.7500 SQ. IN.
(B08111)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.1	0.000		LREF 14.6830 INCHES
(B08171)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.3	0.000		BREF 14.6830 INCHES
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.6899 PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808051)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5
(808111)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5.1
(808171)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5.3
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 8553

BETA	DELTA V
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

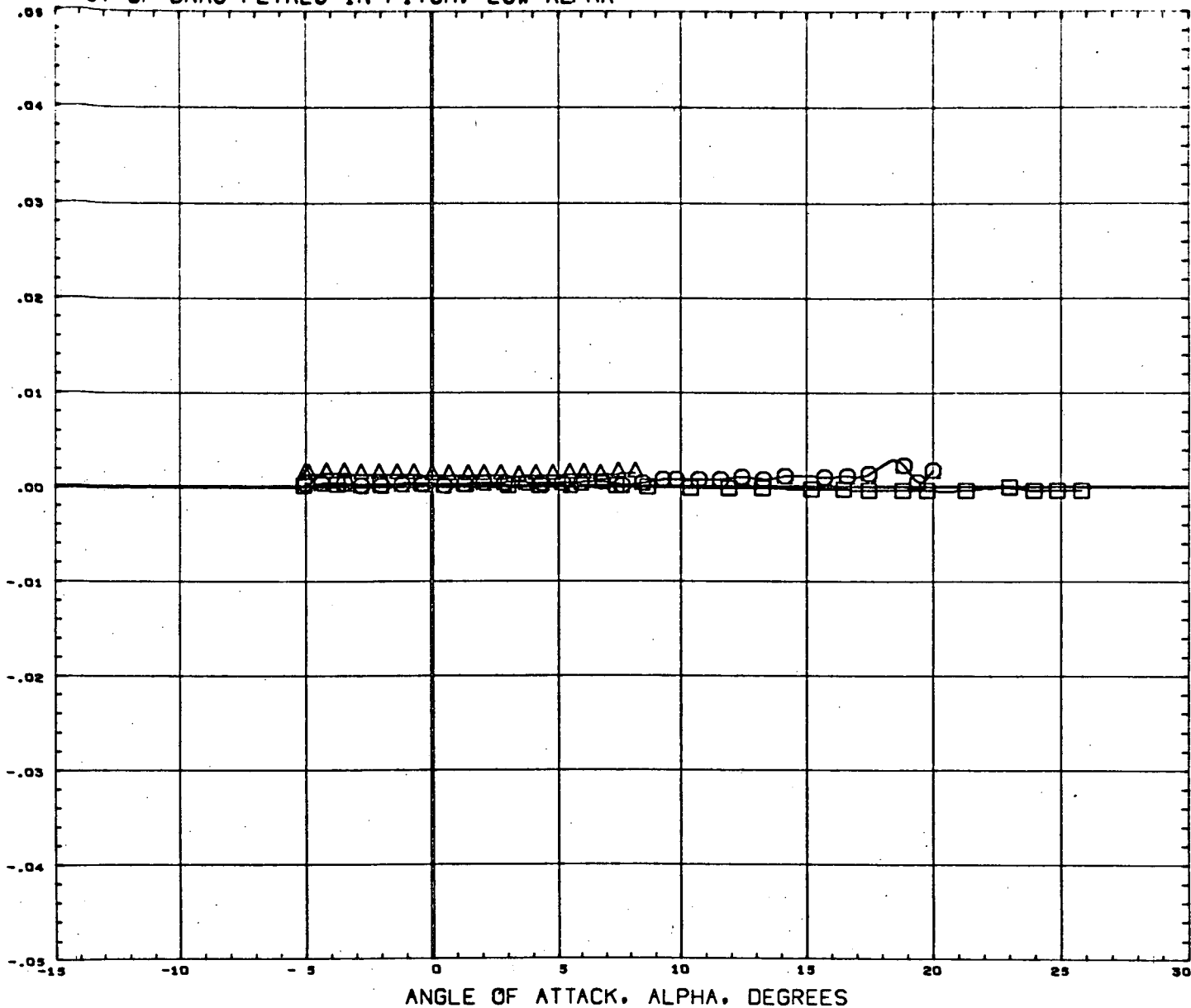
MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(808031)	BTWT 1282/BSWT 557	PR-FED BRB	85S305
(808111)	BTWT 1282/BSWT 557	PR-FED BRB	85S305.1
(808171)	DATA NOT AVAILABLE FOR ALL CONDITIONS		
(CD8001)	BTWT 1282/BSWT 557	PR-FED BRB	85S3

BETA DELTAV

0.000
0.000
0.000
0.000

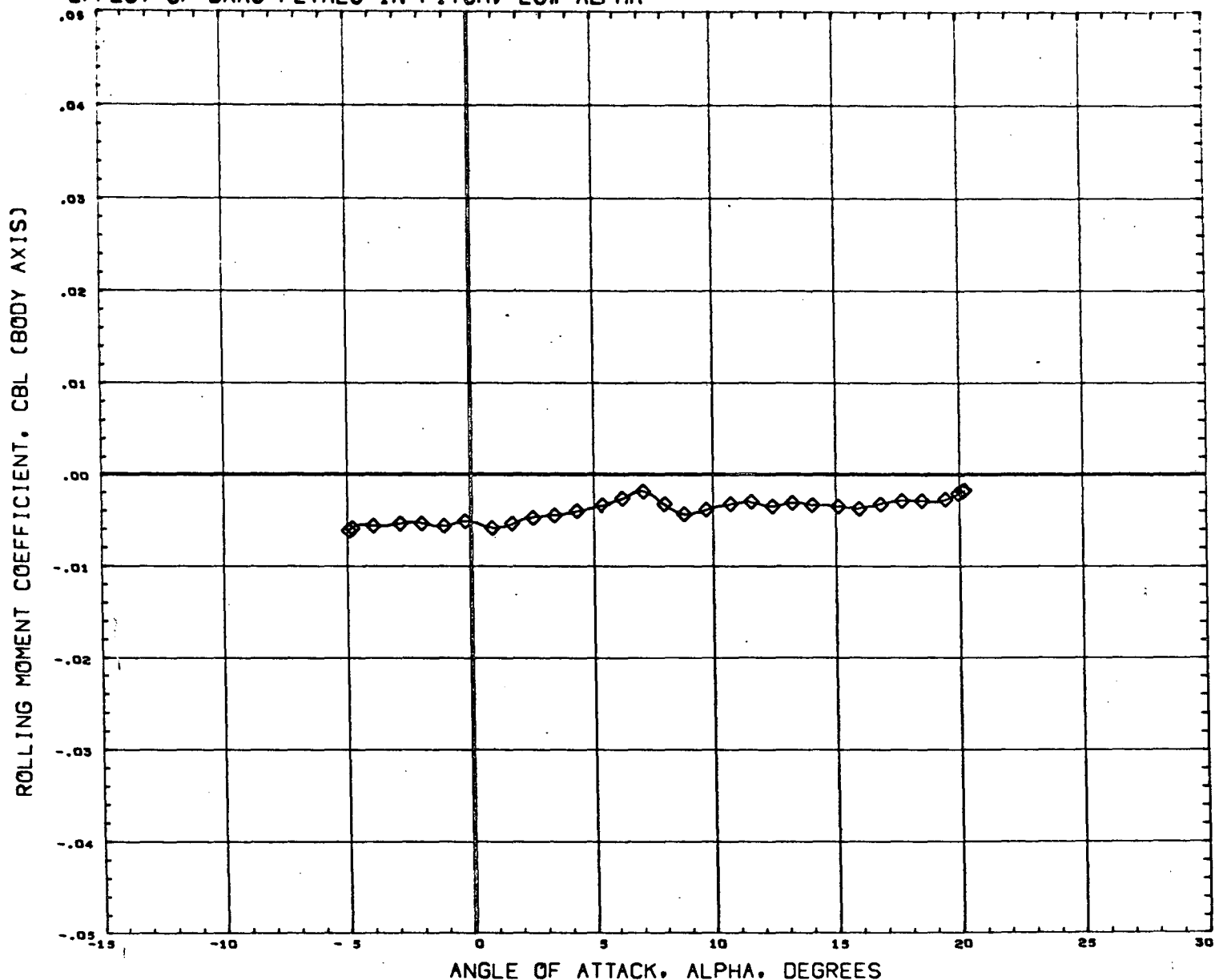
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8051)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8111)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3
(CD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS

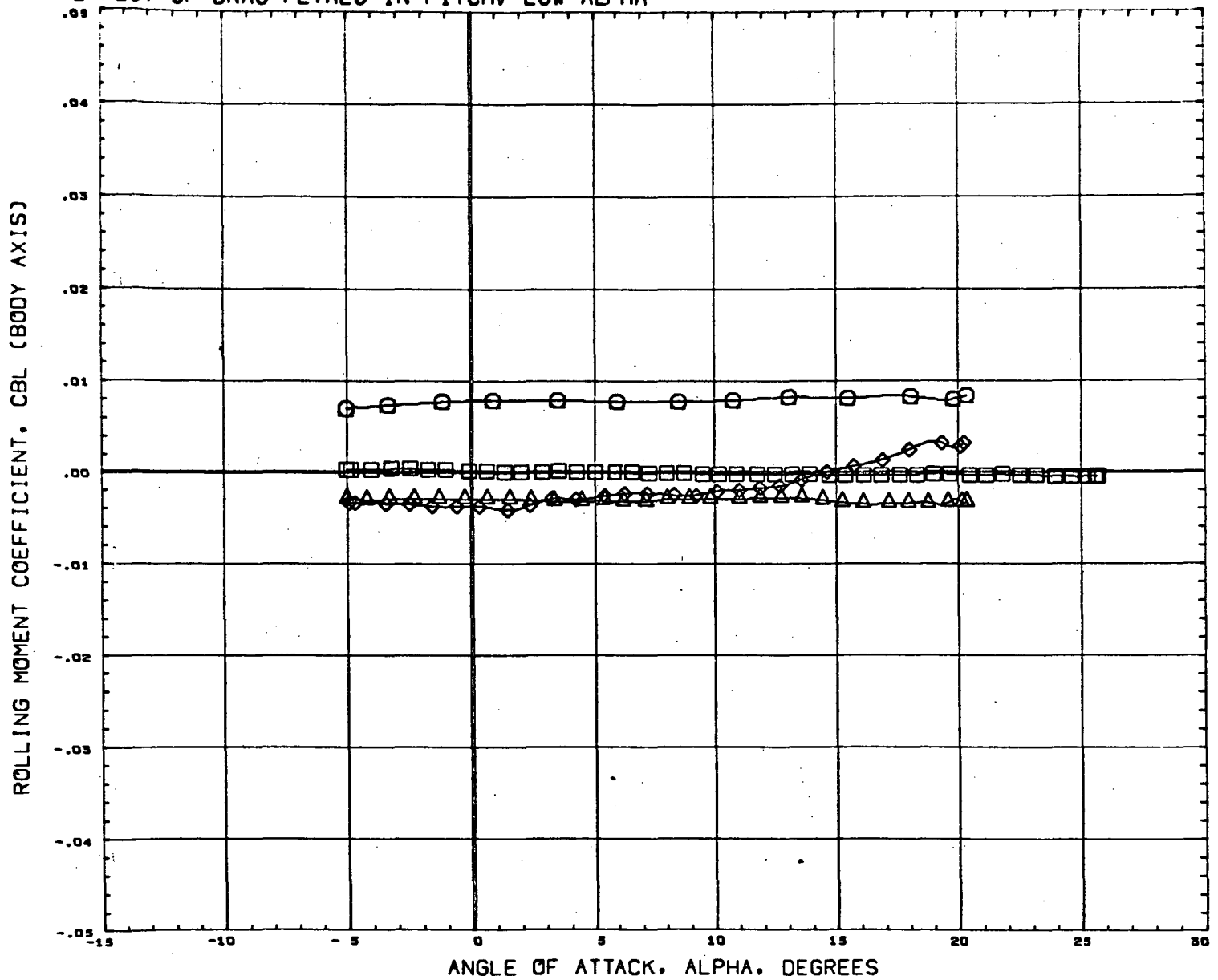
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 1.40

PAGE 246

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

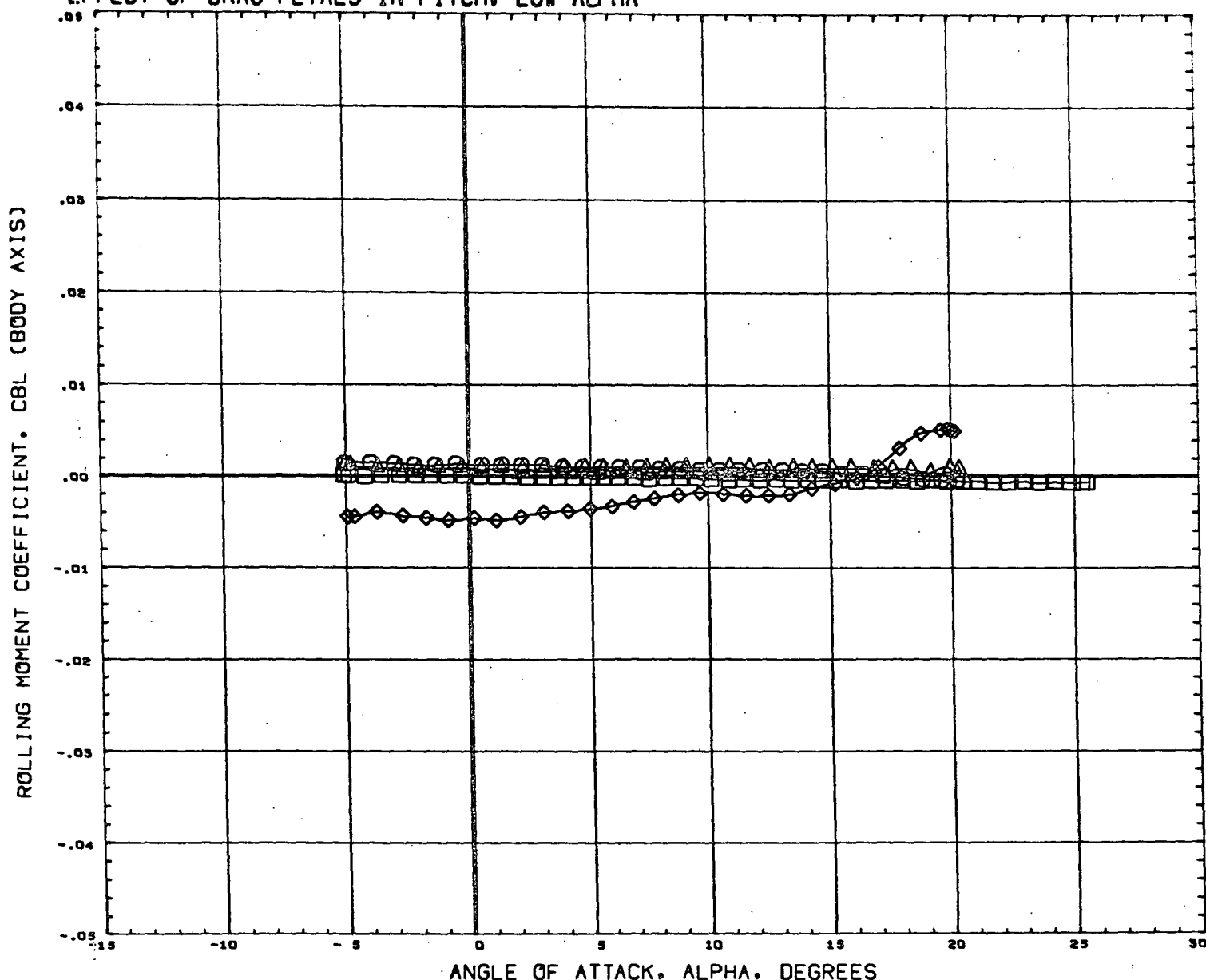


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		SREF 9.7500 SQ. IN.
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.1	0.000		LREF 14.6830 INCHES
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.3	0.000		BREF 14.6830 INCHES
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



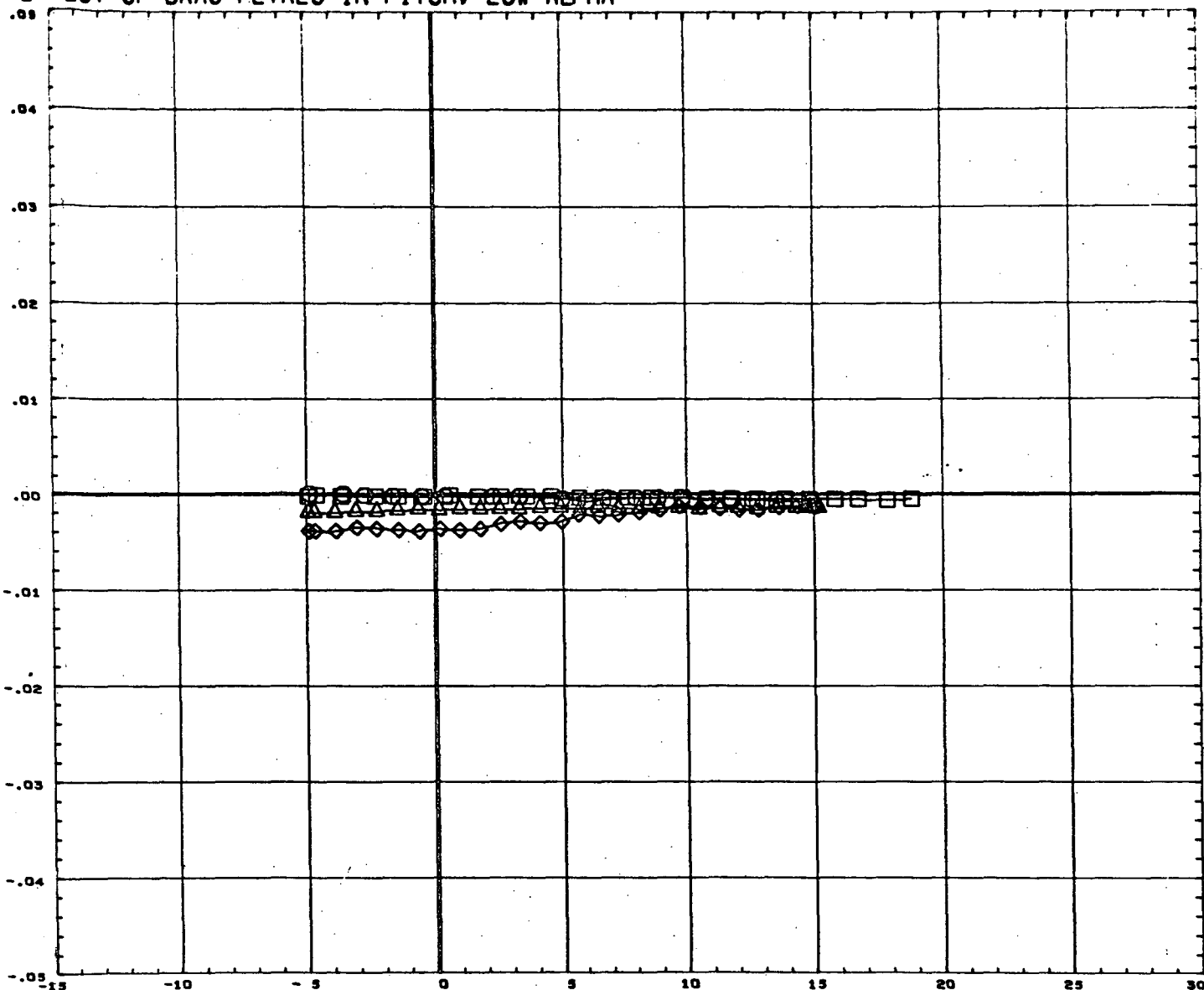
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(B08051)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5	0.000		SREF 9.7500 SQ. IN.
(B08111)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5.1	0.000		LREF 14.6830 INCHES
(B08171)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D5.3	0.000		BREF 14.6830 INCHES
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(B08051)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D5
(B08111)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D5.1
(B08171)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D5.3
(C08001)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3

BETA DELTAV

0.000
0.000
0.000
0.000

REFERENCE INFORMATION

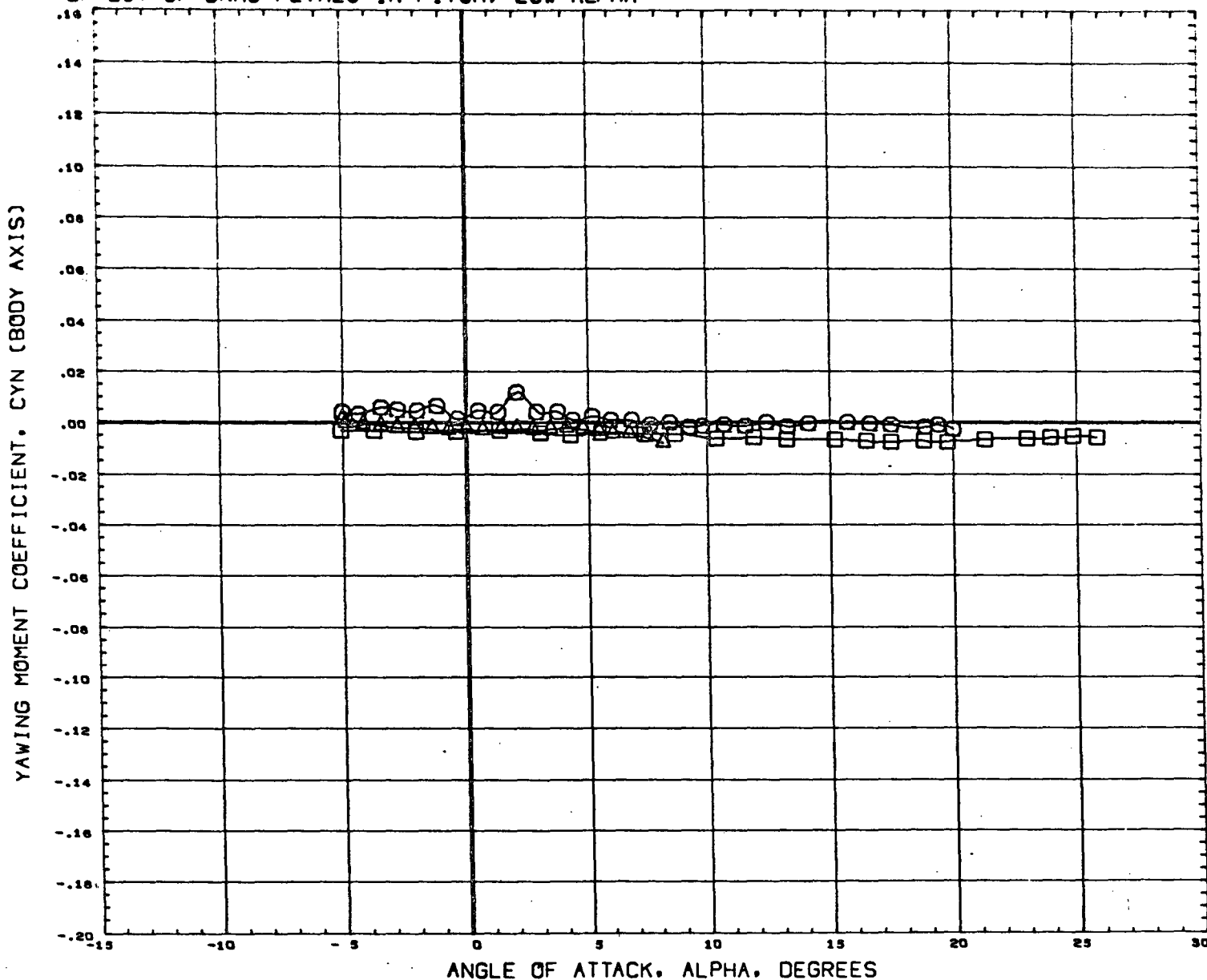
SREF	9.7500	33. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



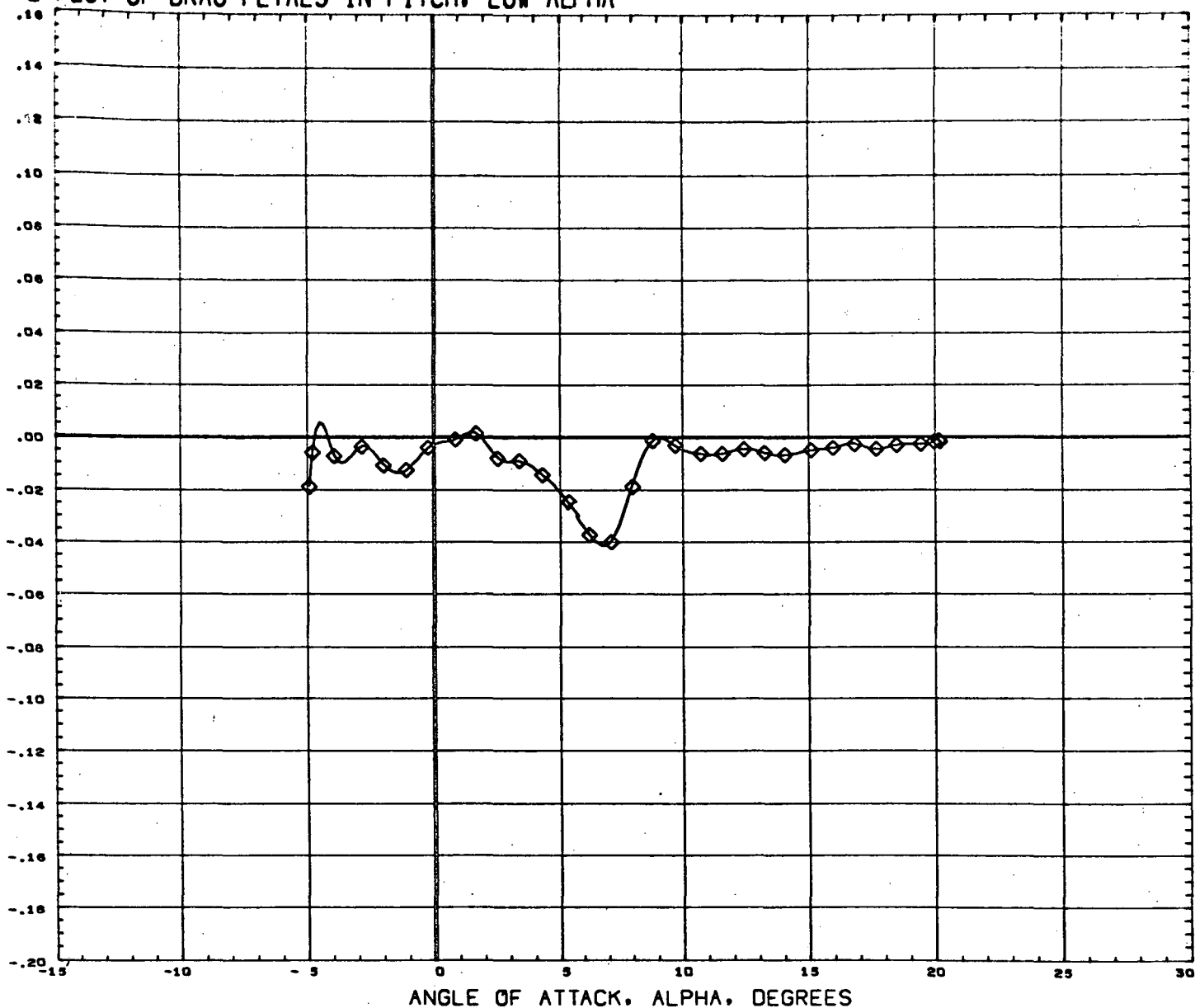
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(808051)	BTWT 1282/BSWT 557 PR-FED BRB B553D5	0.000		SREF	9.7500 SQ. IN.
(808111)	BTWT 1282/BSWT 557 PR-FED BRD B553D5.1	0.000		LREF	14.6830 INCHES
(808171)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		BREF	14.6830 INCHES
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(808051)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(808111)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(808171)	BTWT 1282/BSWT 557 PR-FED BRB B5S305.3	0.000	
(CD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	

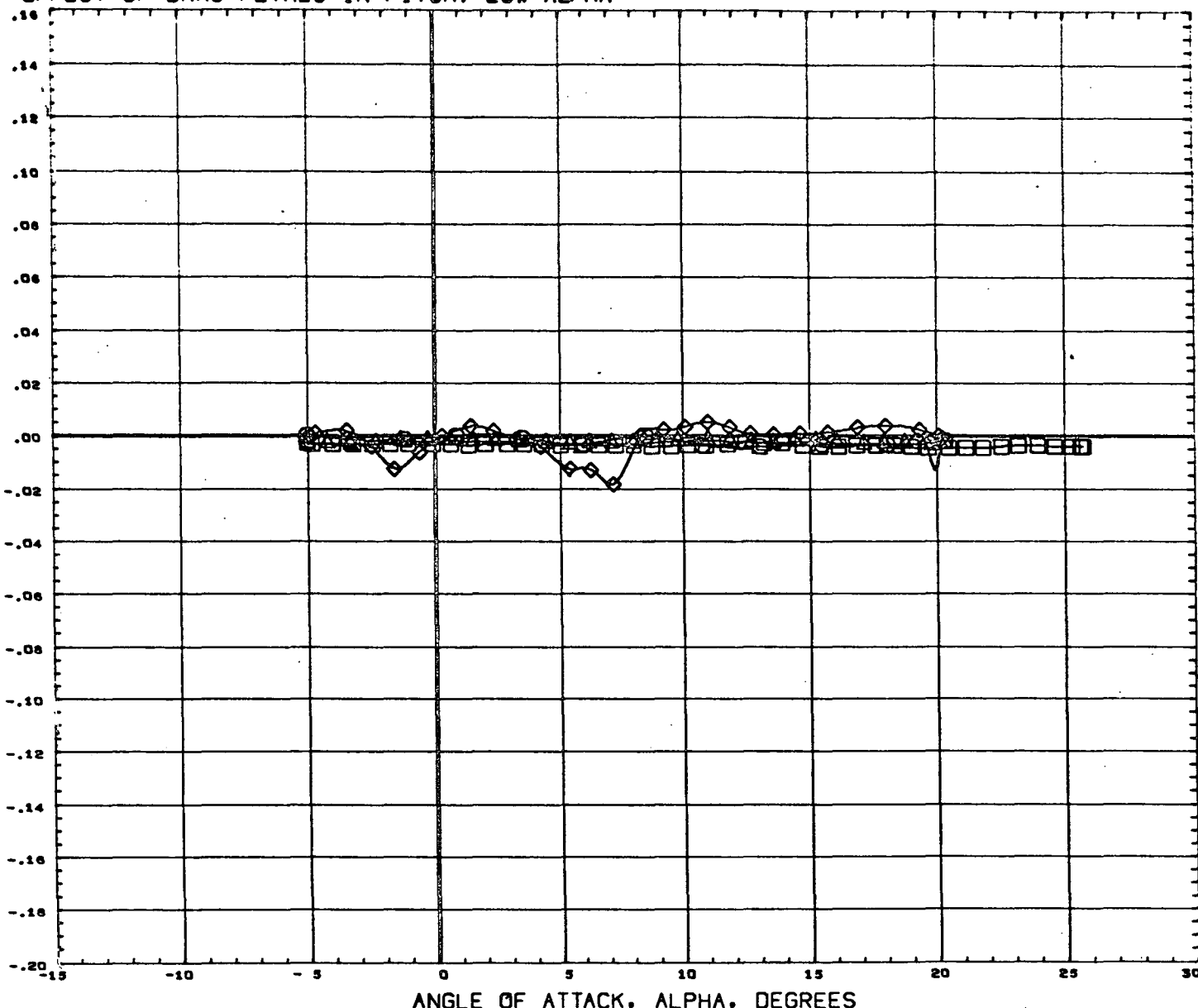
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD0051)	BTWT 1202/BSWT 557 PR-FED BRB 8553D5	0.000	
(BD0111)	BTWT 1202/BSWT 557 PR-FED BRB 8553D5.1	0.000	
(BD0171)	BTWT 1202/BSWT 557 PR-FED BRB 8553D5.3	0.000	
(CD0001)	BTWT 1202/BSWT 557 PR-FED BRB 8553	0.000	

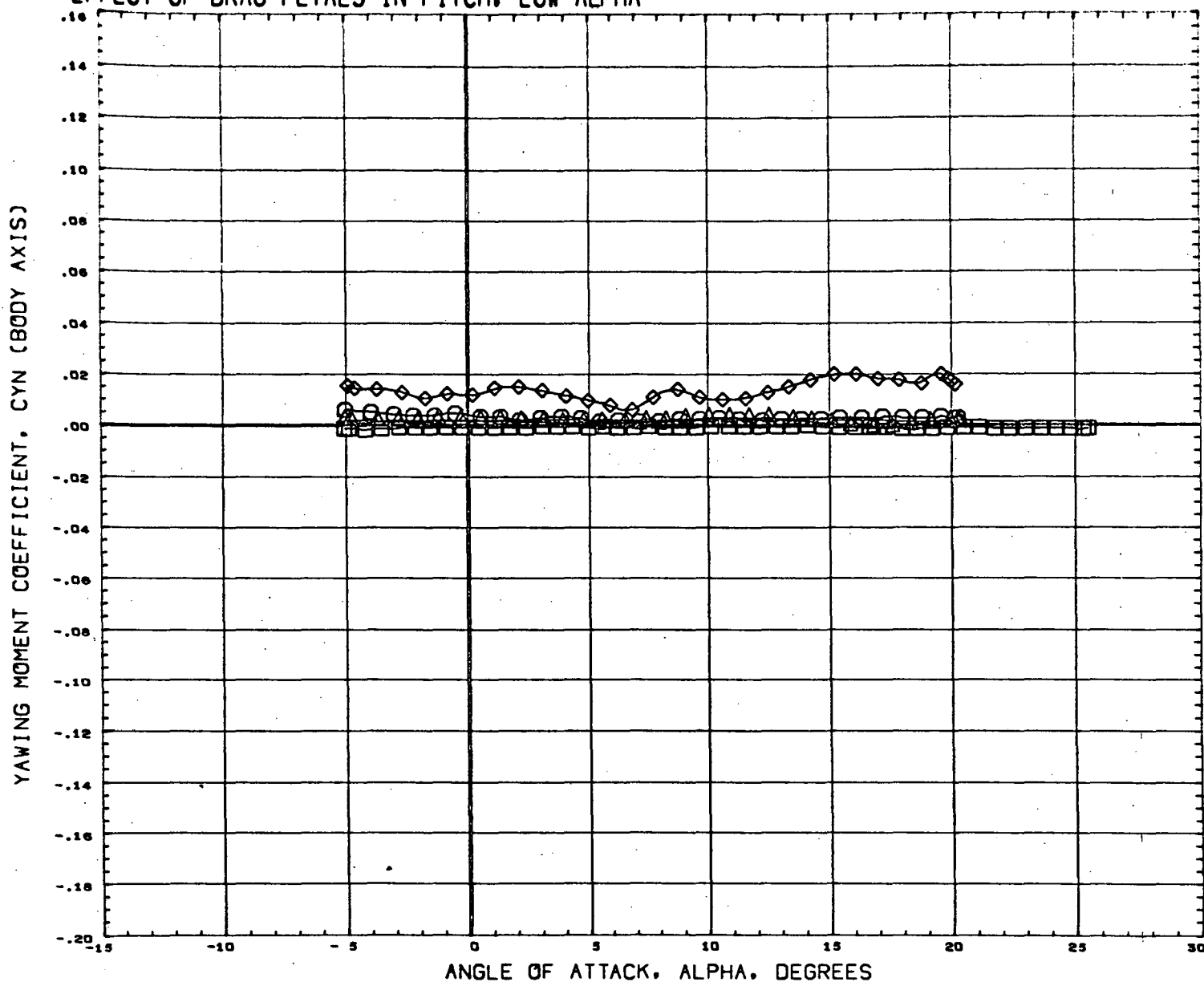
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.0099	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB B55305
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB B55305.1
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB B55305.3
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B553

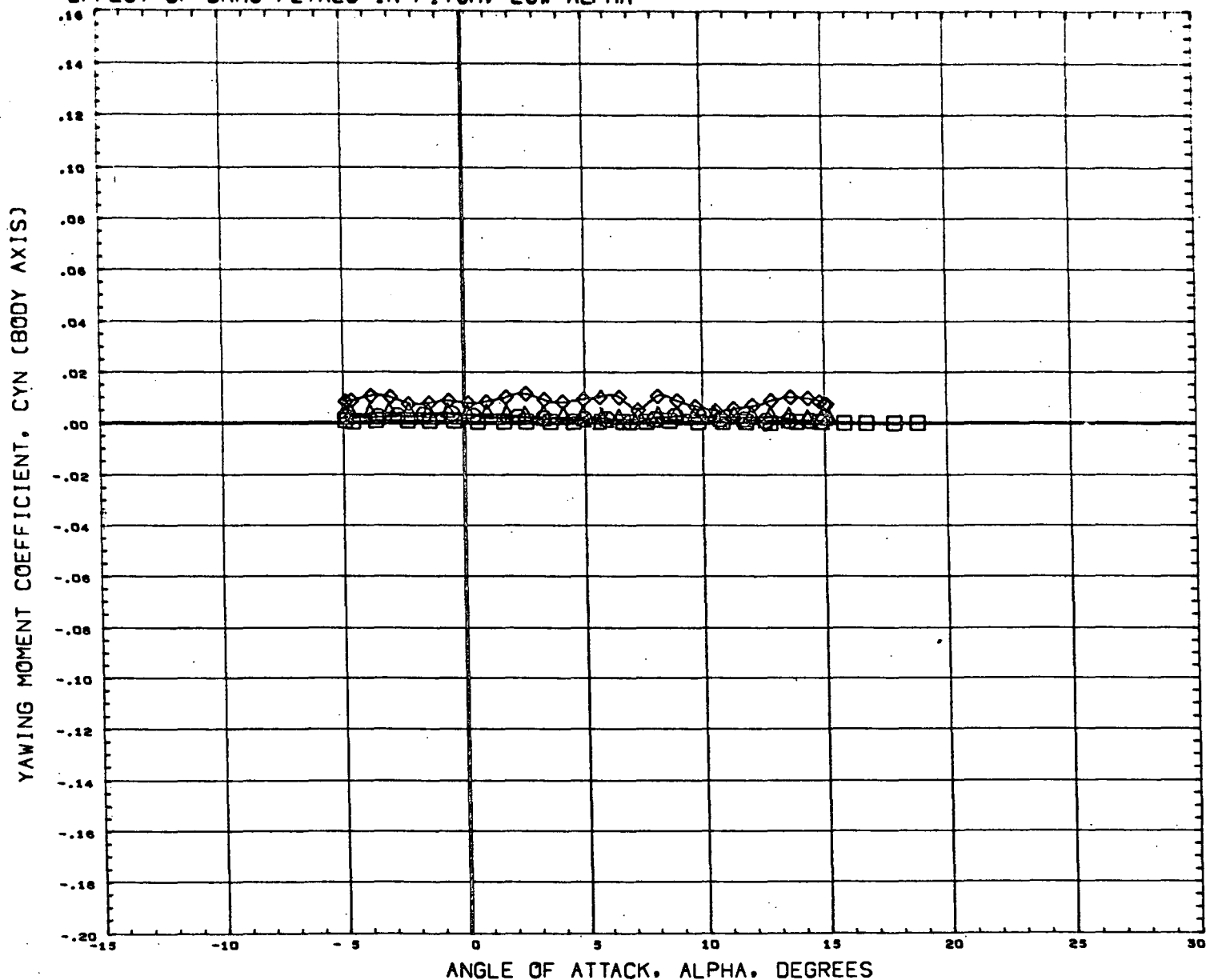
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	34. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



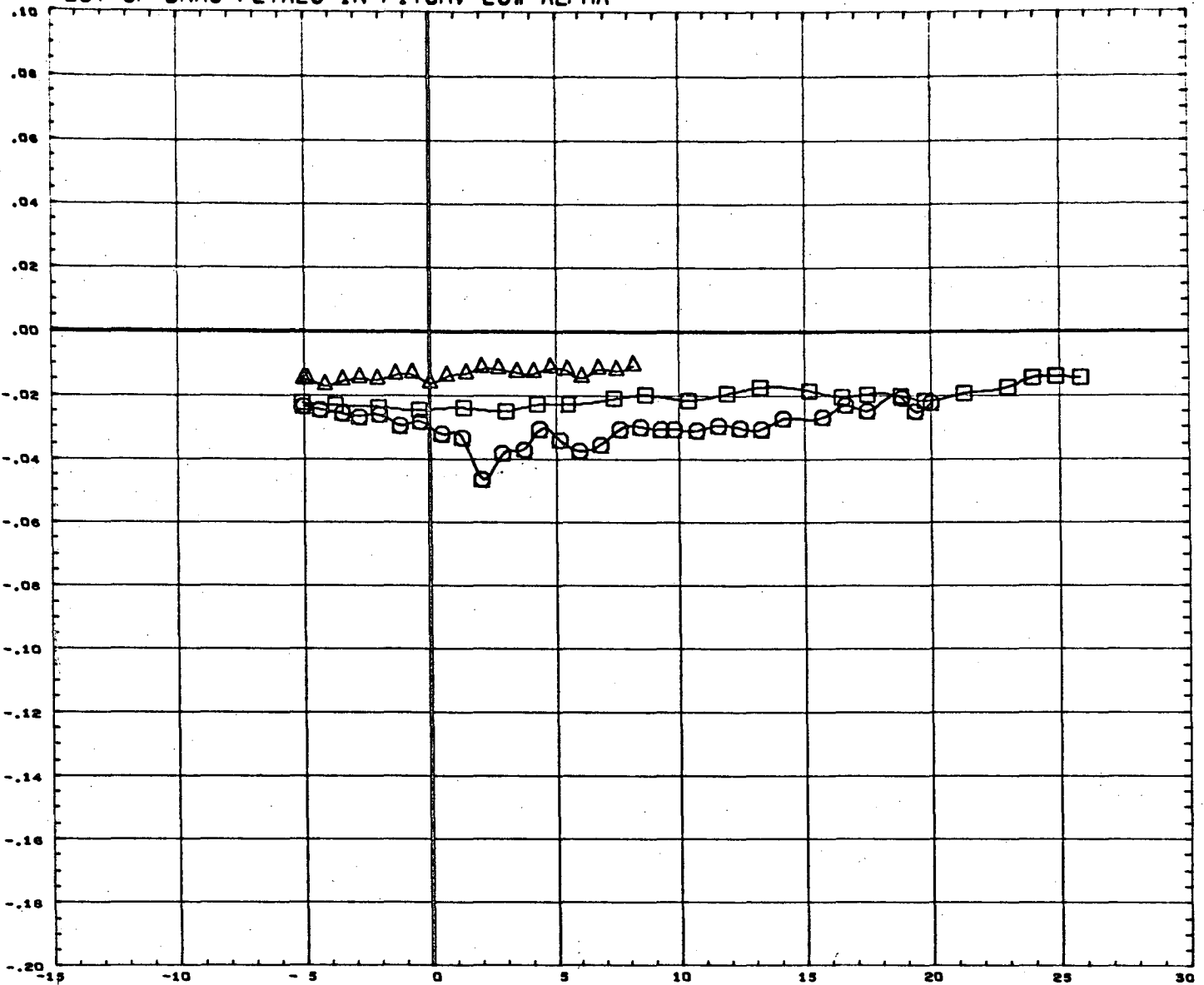
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(BD8051)	BTWT 1282/BSWT 557 PR-FED BRB 855305	0.000		SREF 9.7500 SQ. IN.
(BD8111)	BTWT 1282/BSWT 557 PR-FED BRB 855305.1	0.000		LREF 14.6830 INCHES
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB 855305.3	0.000		BREF 14.6830 INCHES
(CD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		XMRF 0.6000 LBODY
				YMRF 0.0000 INCHES
				ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD0051)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5
(BD0111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1
(BD0171)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD0001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3

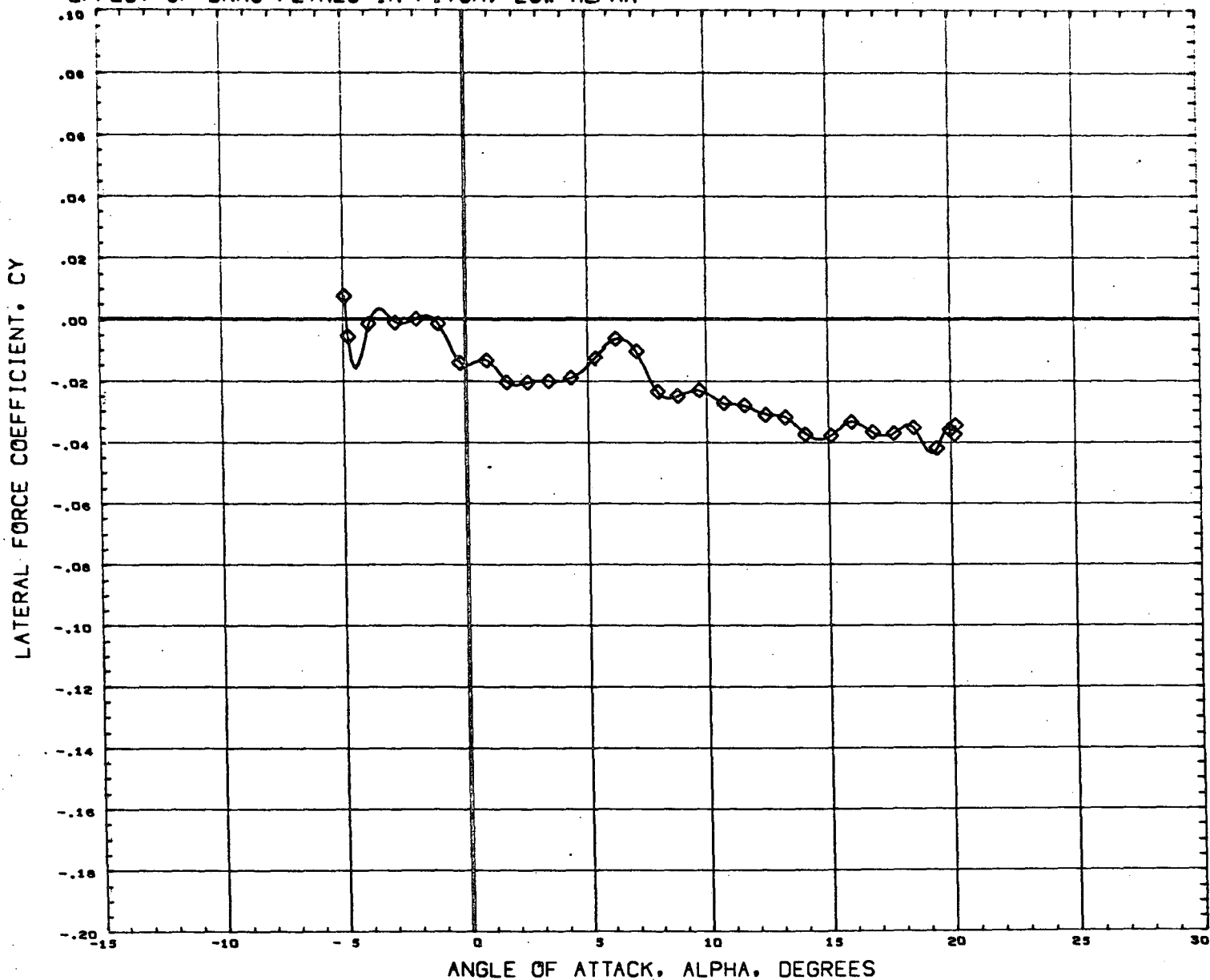
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCNT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8091)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8111)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8171)	BTWT 1282/BSWT 557 PR-FED BRB B553D5.3
(CD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS

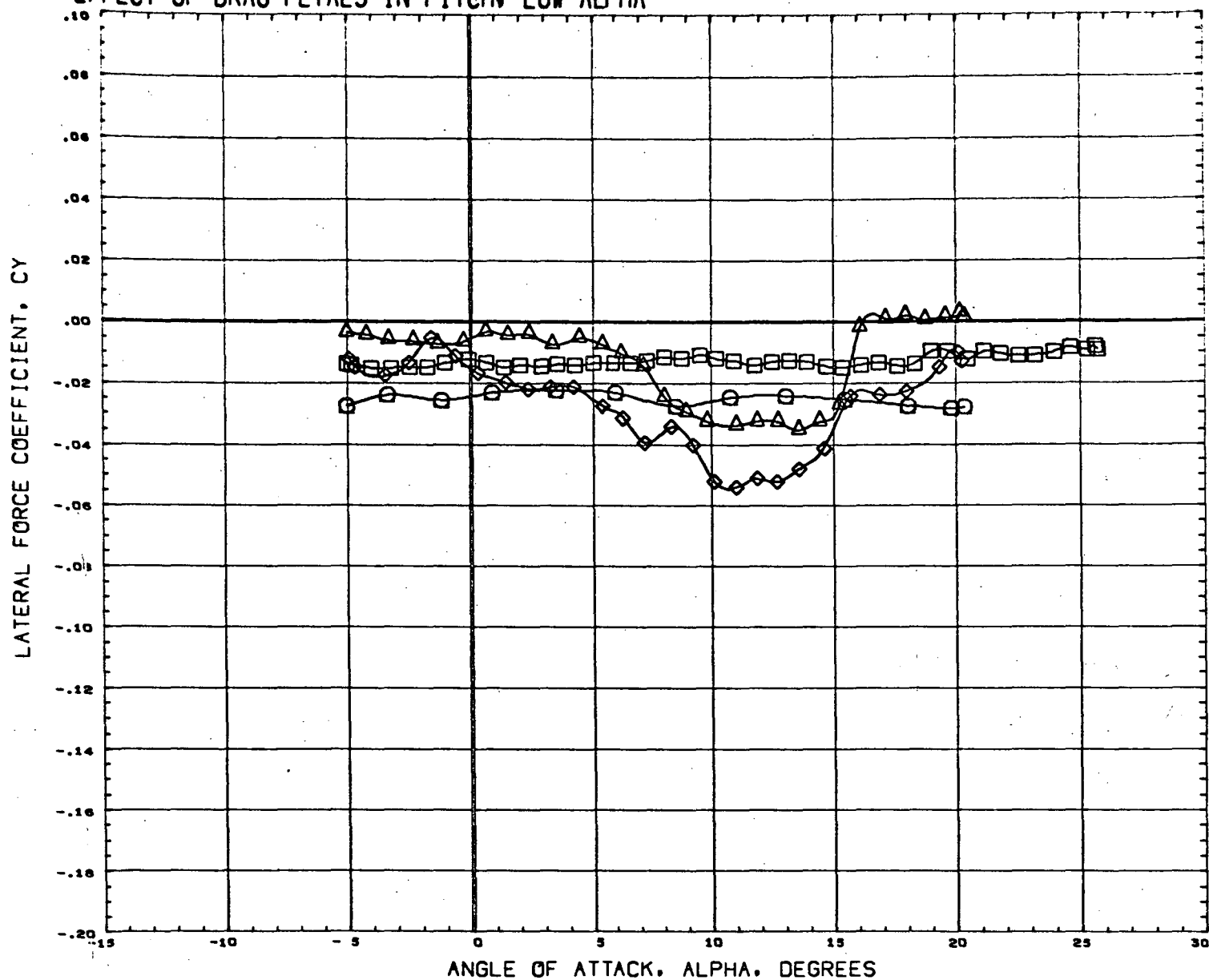
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

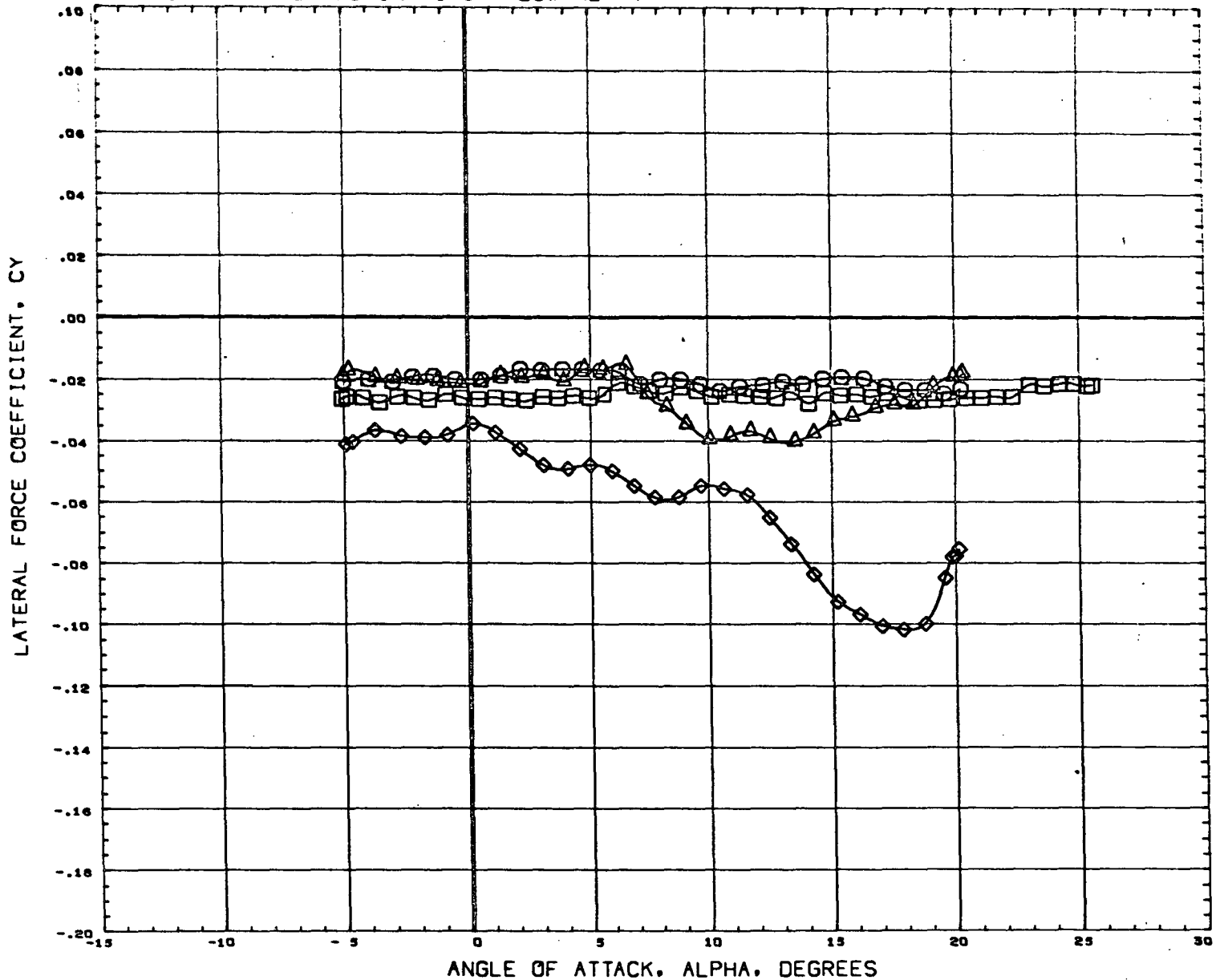


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(B08091)	BTWT 1282/BSWT 557 PR-FED BRB 85S305	0.000		SREF	9.7500 SQ. IN.
(B08111)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.1	0.000		LREF	14.6830 INCHES
(B08171)	BTWT 1282/BSWT 557 PR-FED BRB 85S305.3	0.000		BREF	14.6830 INCHES
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

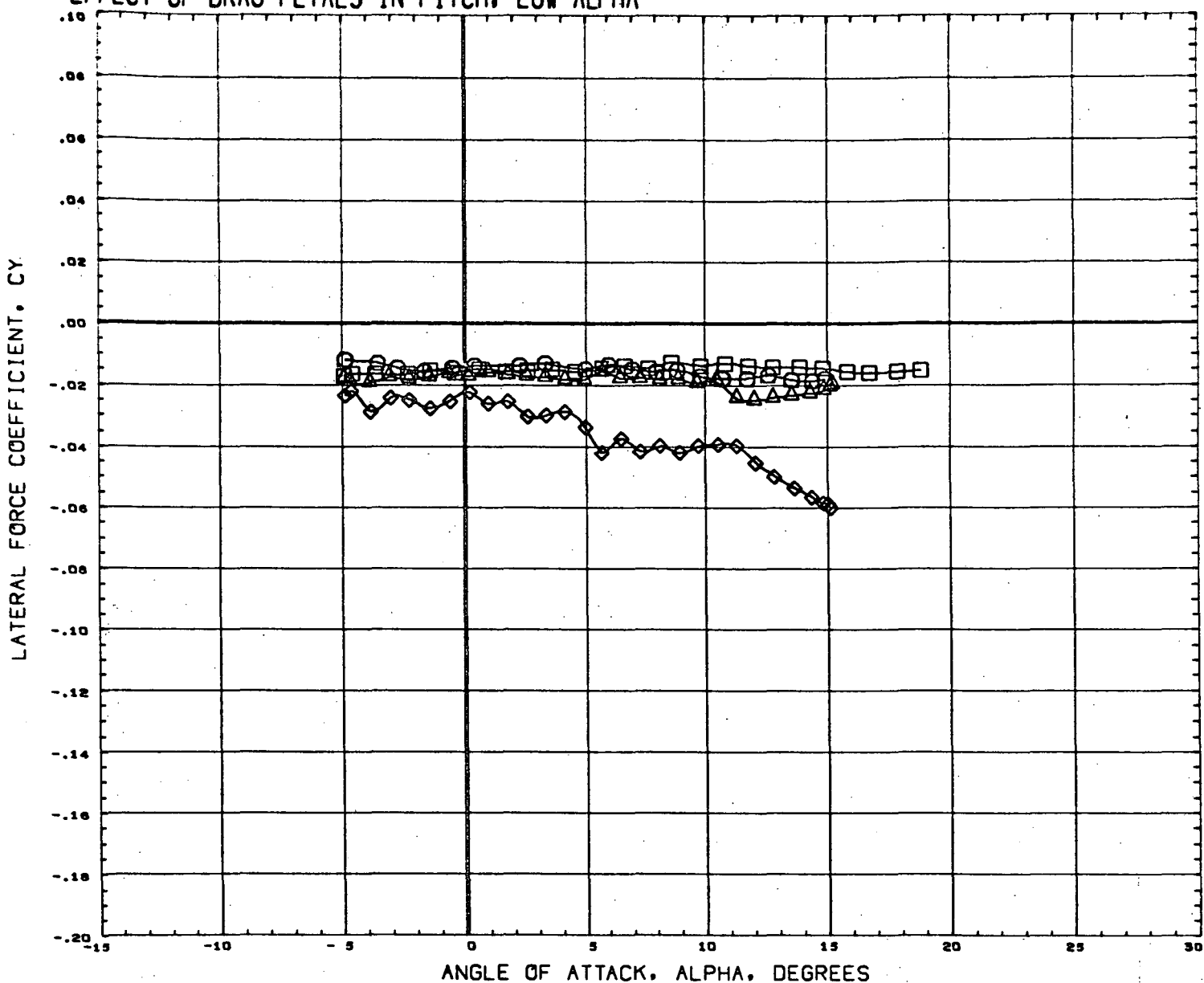


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(B08031)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5	0.000		SREF 9.7500 30. IN.
(B09111)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.1	0.000		LREF 14.6830 INCHES
(B09171)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D5.3	0.000		BREF 14.6830 INCHES
(C08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 2.70

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(B08051)	BTWT 1282/BSWT 557	PR-FED BRB	855305
(B08111)	BTWT 1282/BSWT 557	PR-FED BRB	855305.1
(B08171)	BTWT 1282/BSWT 557	PR-FED BRB	855305.3
(C08001)	BTWT 1282/BSWT 557	PR-FED BRB	8553

BETA DELTAV

0.000
0.000
0.000
0.000

REFERENCE INFORMATION

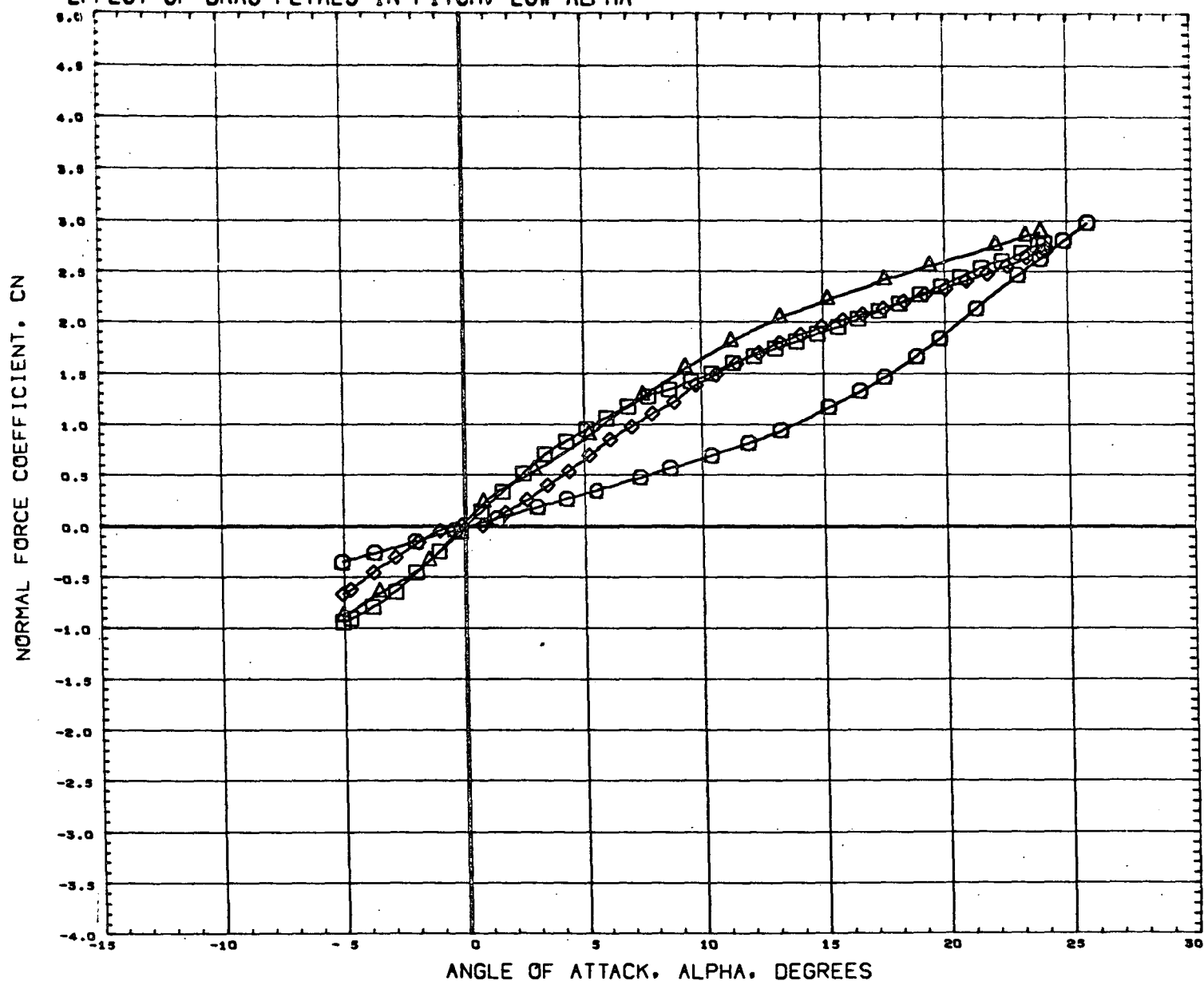
SREF	9.7500	34. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



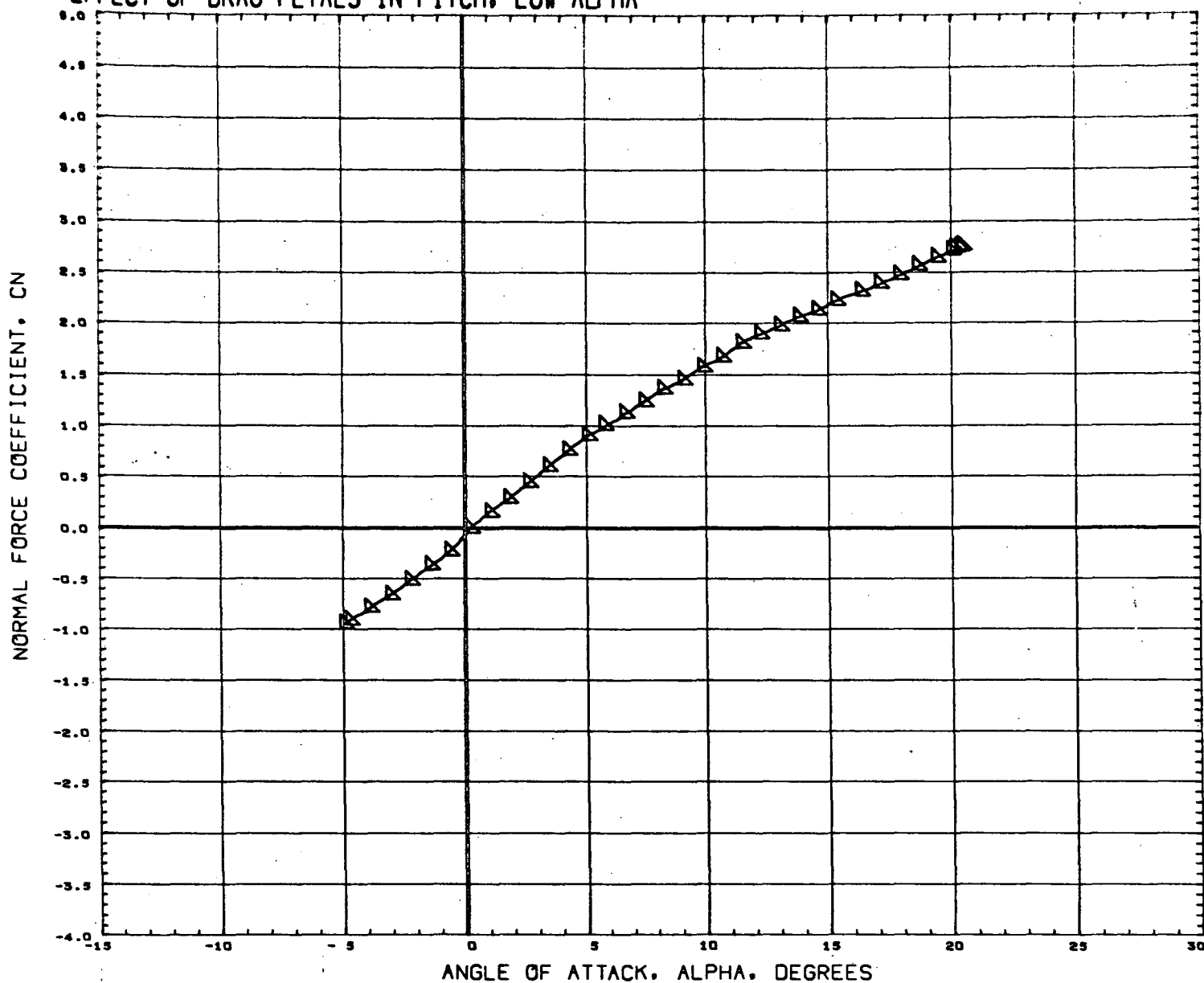
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB 85S3	0.000		SREF 9.7500 SQ. IN.
(RD8071)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D7	0.000		LREF 14.6830 INCHES
(RD8081)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D8	0.000		BREF 14.6830 INCHES
(RD8191)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D8.3	0.000		XMRP 0.6000 LBODY
(RD8181)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8699 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8071)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8081)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8191)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8181)	BTWT 1282/BSWT 557 PR-FED BRB 855307.3

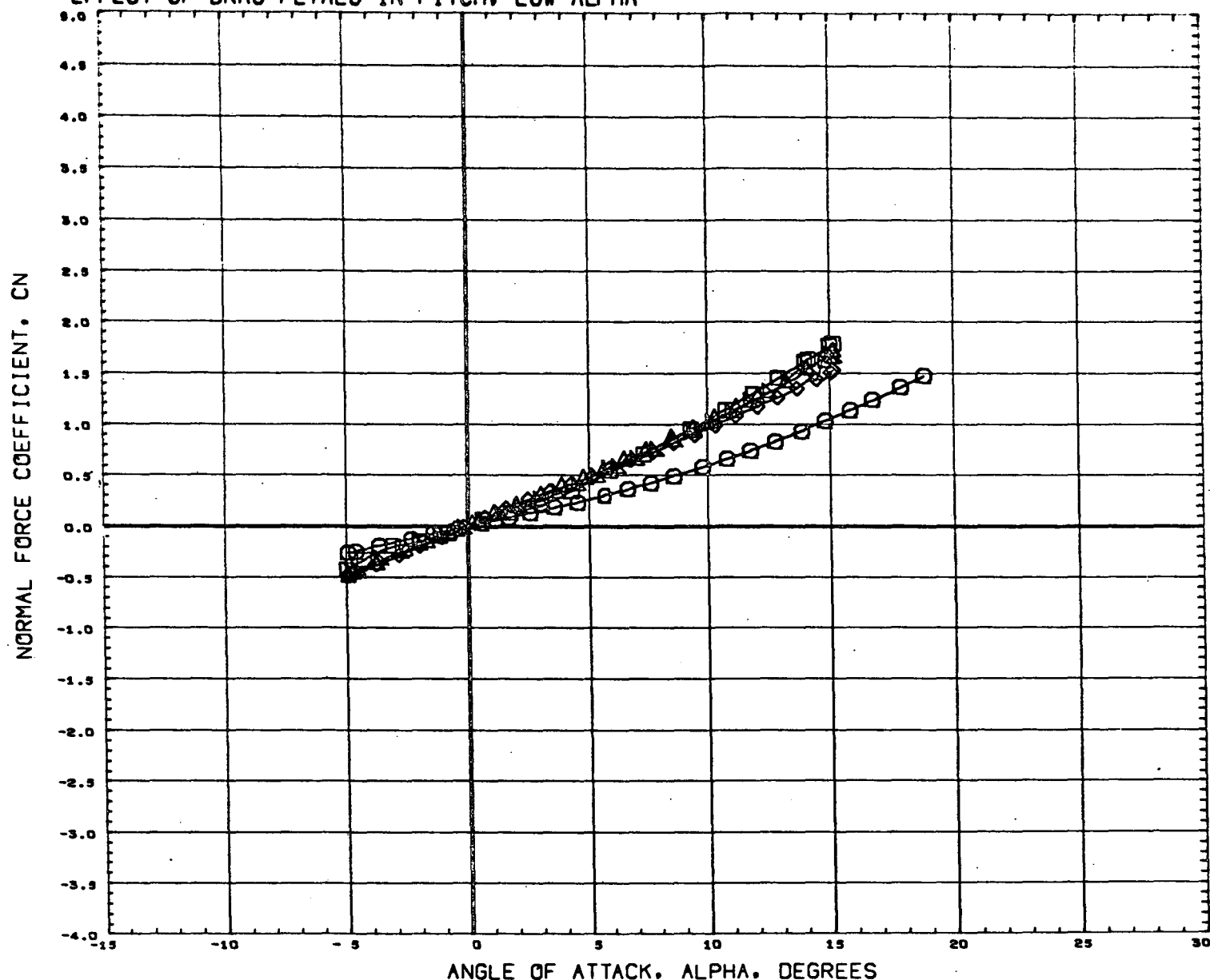
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

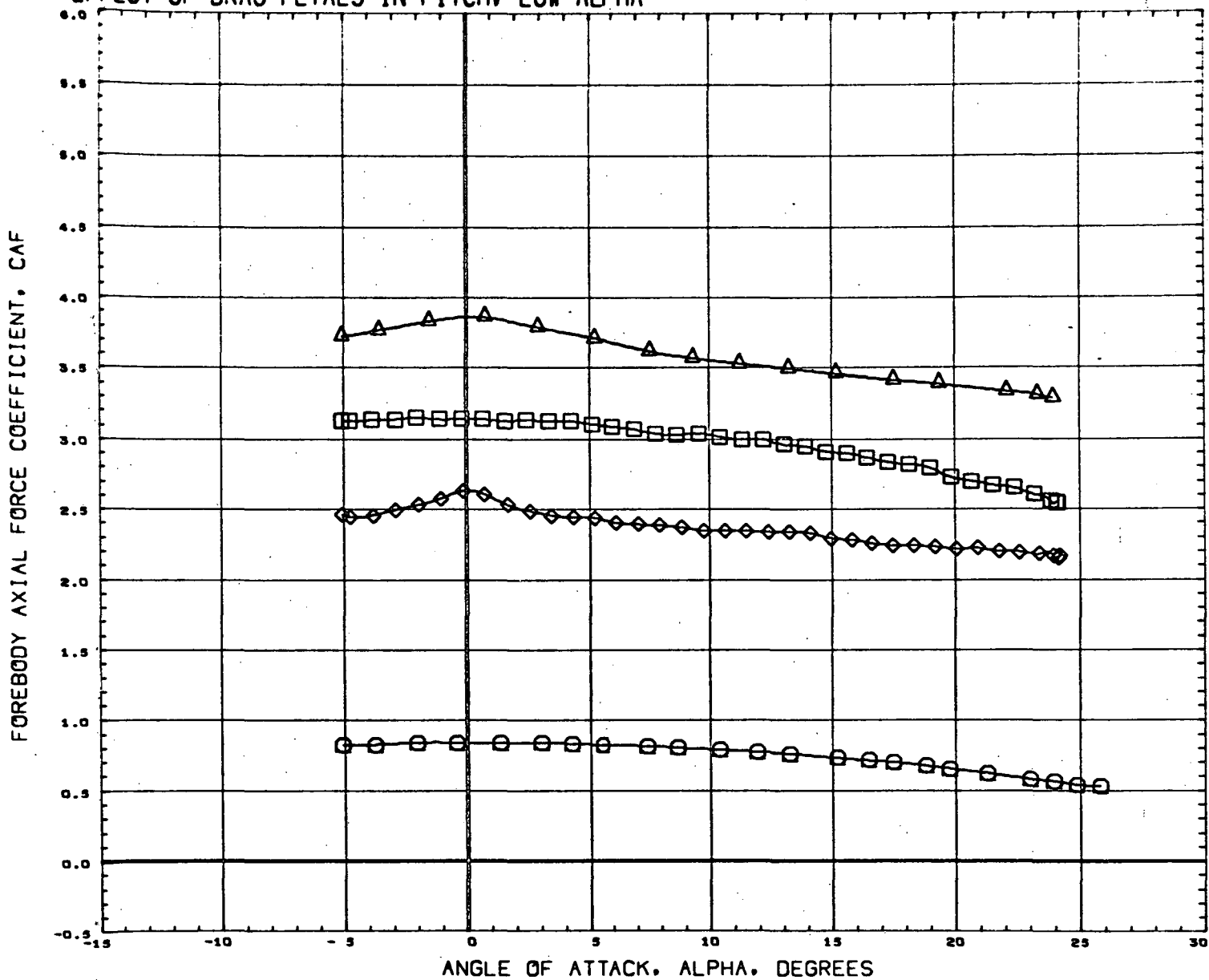


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(B08001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000		SREF 9.7500 SQ. IN.
(R08071)	BTWT 1282/BSWT 557 PR-FED BRB B55307	0.000		LREF 14.6830 INCHES
(R08081)	BTWT 1282/BSWT 557 PR-FED BRB B55308	0.000		BREF 14.6830 INCHES
(R08191)	BTWT 1282/BSWT 557 PR-FED BRB B55308.3	0.000		XMRP 0.6000 LBODY
(R08181)	BTWT 1282/BSWT 557 PR-FED BRB B55307.3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



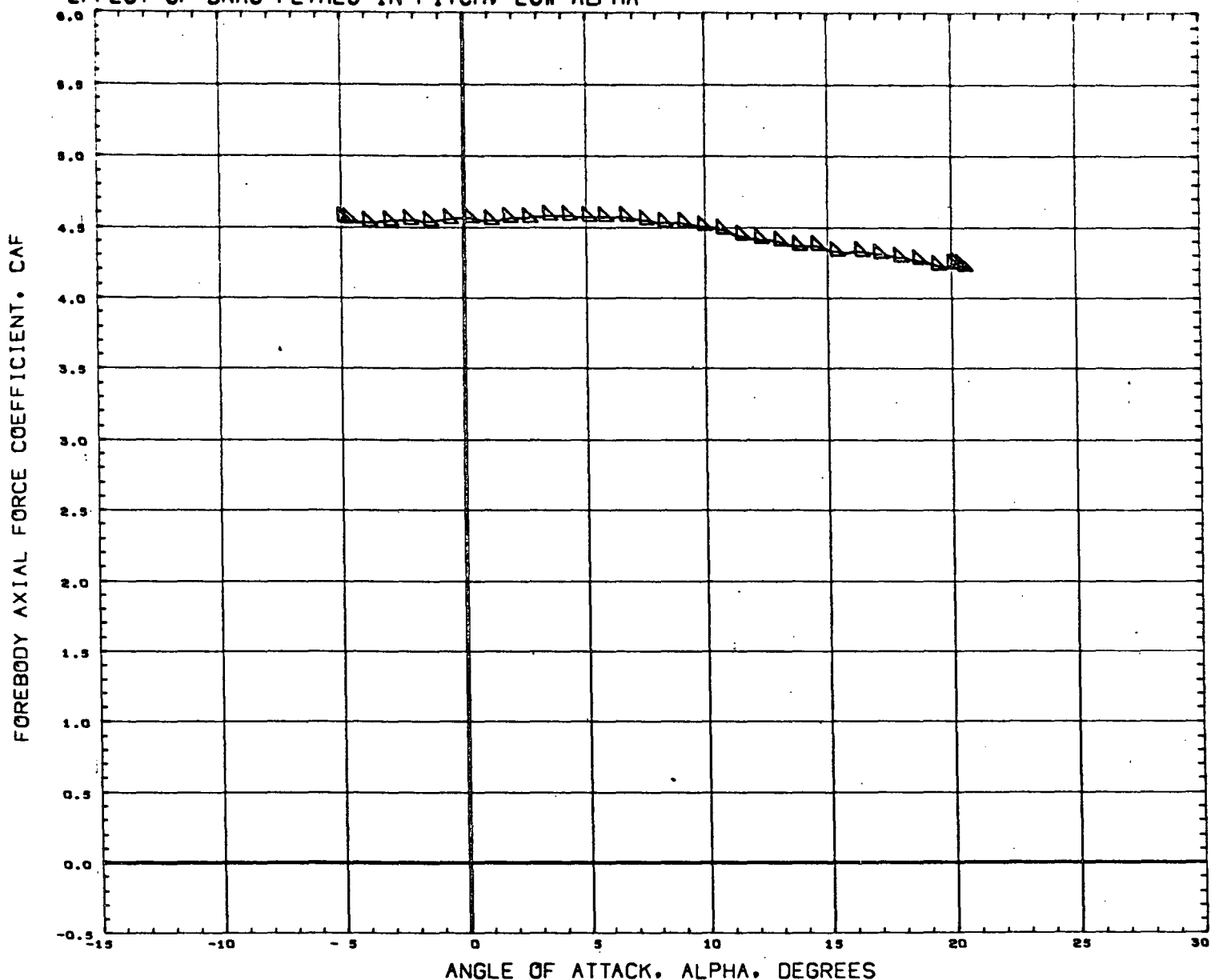
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD0001)	BTWT 1202/BSWT 557 PR-FED BRB 8553	0.000	
(RD0071)	BTWT 1202/BSWT 557 PR-FED BRB 8553D7	0.000	
(RD0081)	BTWT 1202/BSWT 557 PR-FED BRB 8553D8	0.000	
(RD0191)	BTWT 1202/BSWT 557 PR-FED BRB 8553D8.3	0.000	
(RD0181)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



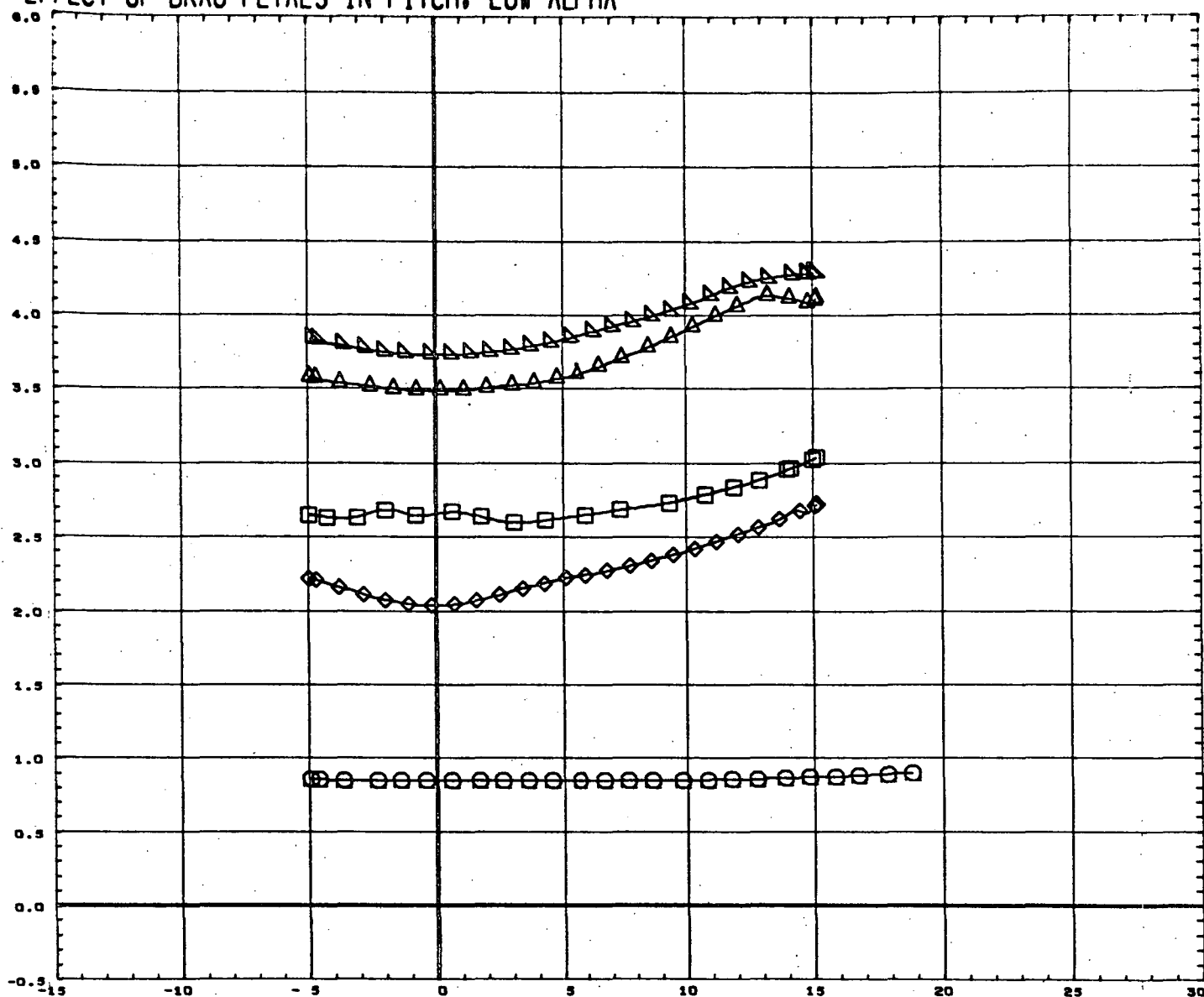
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		SREF	9.7500 SQ. IN.
(RD8071)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		LREF	14.6830 INCHES
(RD8081)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		BREF	14.6830 INCHES
(RD8191)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		XMRP	0.0000 LBODY
(RD8181)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		YMRP	0.0000 INCHES
	BTWT 1282/BSWT 557 PR-FED BRB 855307.3	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(R08071)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D7
(R08081)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D8
(R08191)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D8.3
(R08181)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D7.3

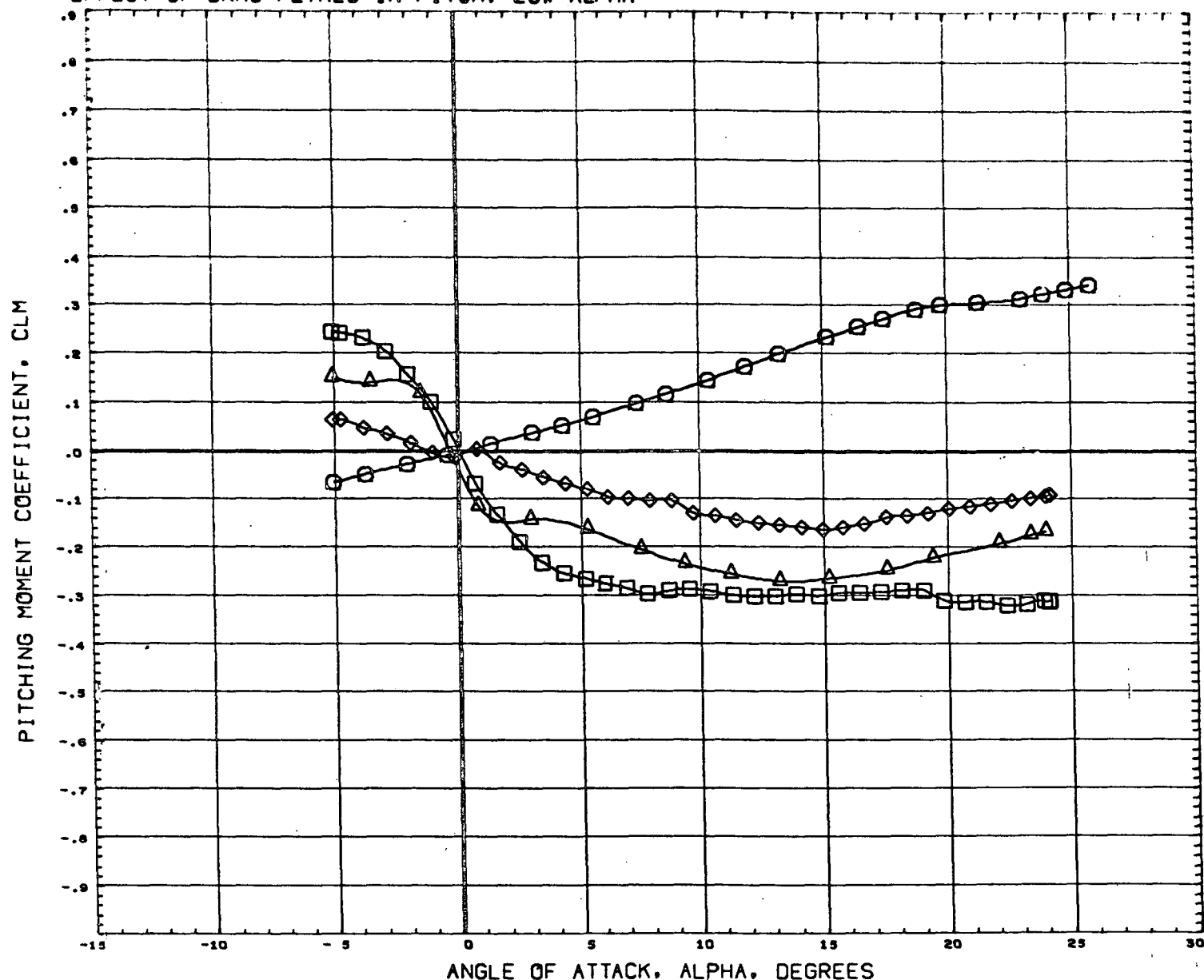
BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA



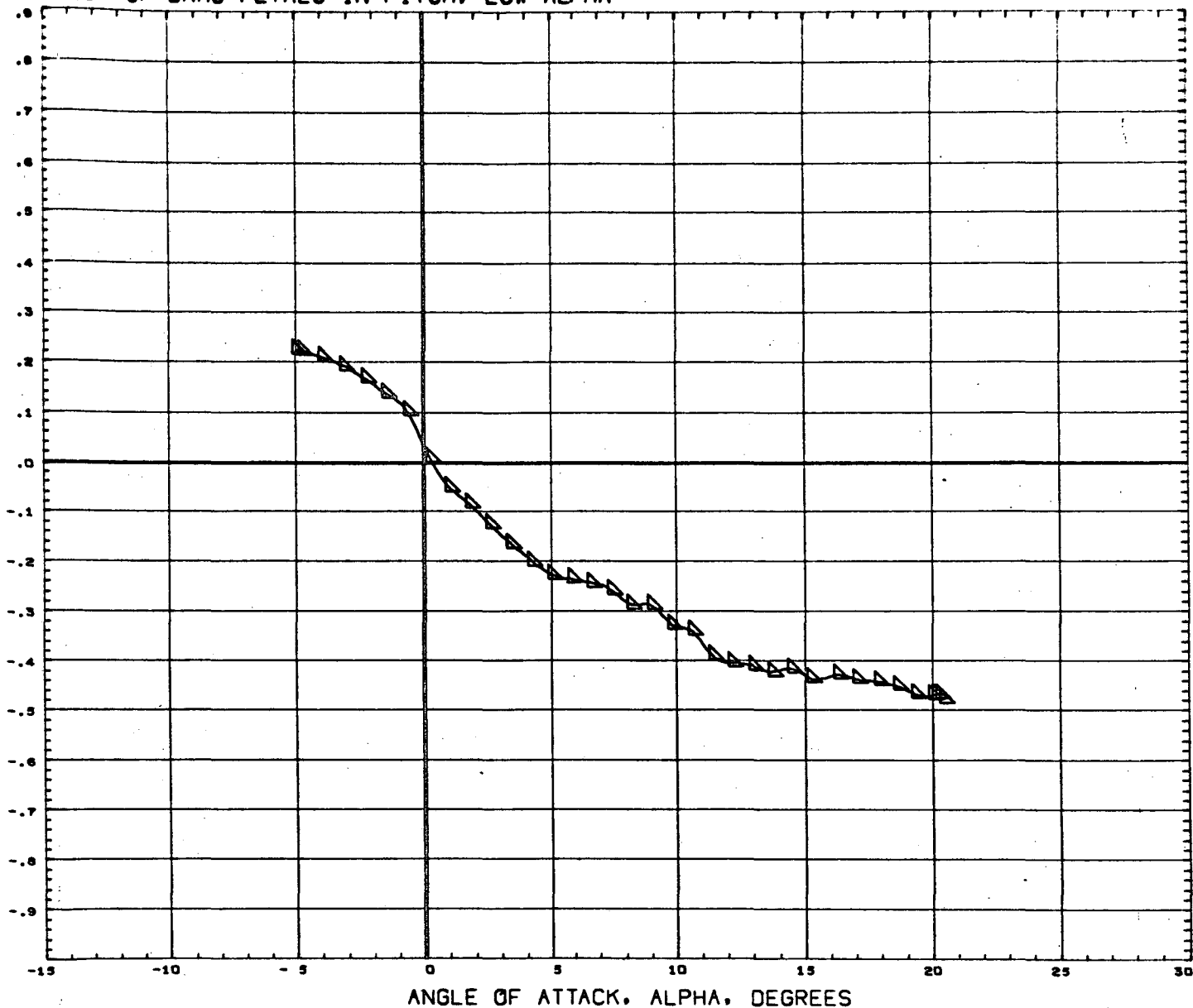
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(R08001)	BTWT 1282/BSWT 557 PR-FED BRB B553	0.000		SREF	9.7500 SQ.IN.
(R08071)	BTWT 1282/BSWT 557 PR-FED BRB B55307	0.000		LREF	14.6830 INCHES
(R08081)	BTWT 1282/BSWT 557 PR-FED BRB B55308	0.000		BREF	14.6830 INCHES
(R08191)	BTWT 1282/BSWT 557 PR-FED BRB B55308.5	0.000		XMRP	0.6000 LBODY
(R08181)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



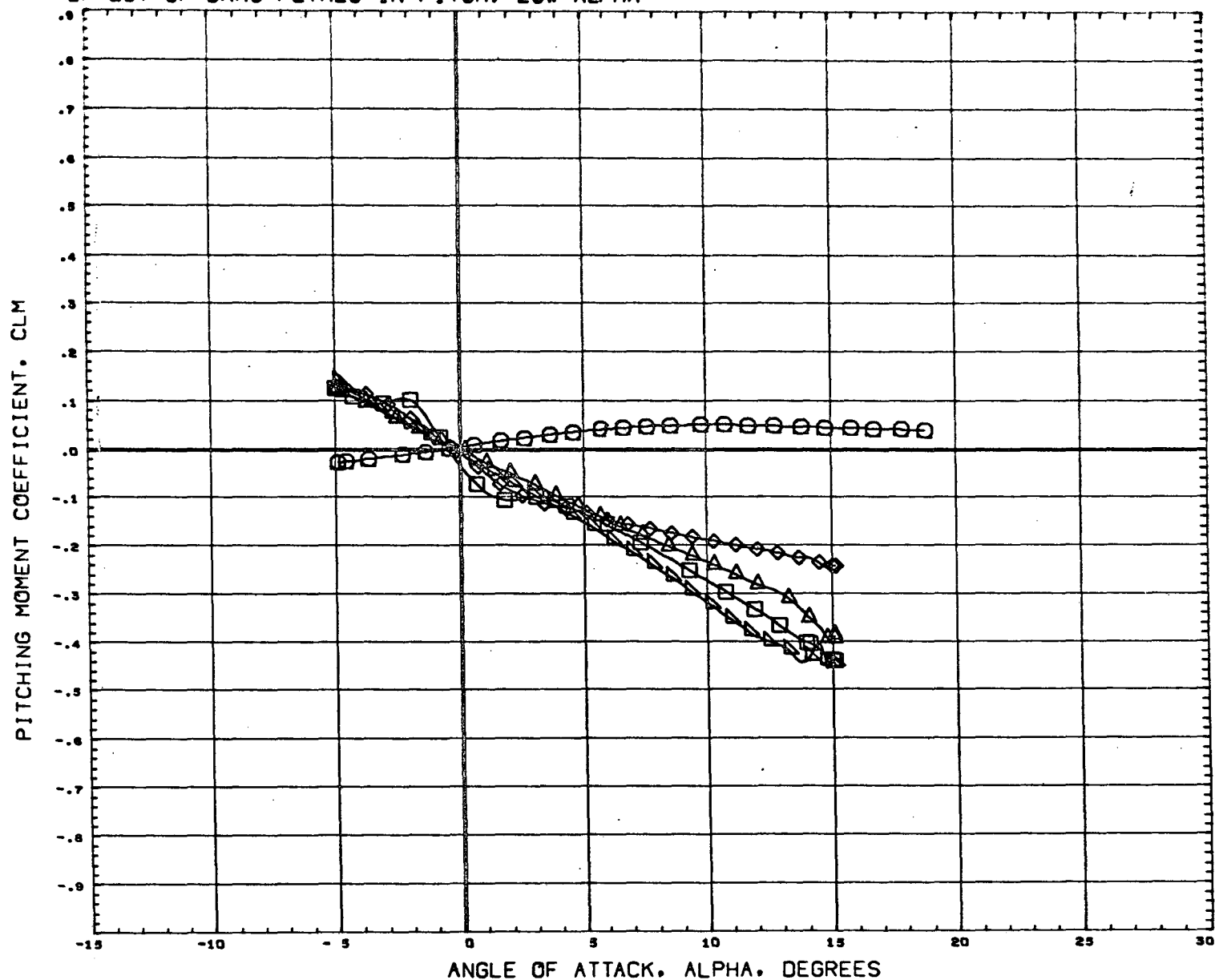
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(B08001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08071)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08081)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08191)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08181)	BTWT 1282/BSWT 537 PR-FED BRB B5S307.3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



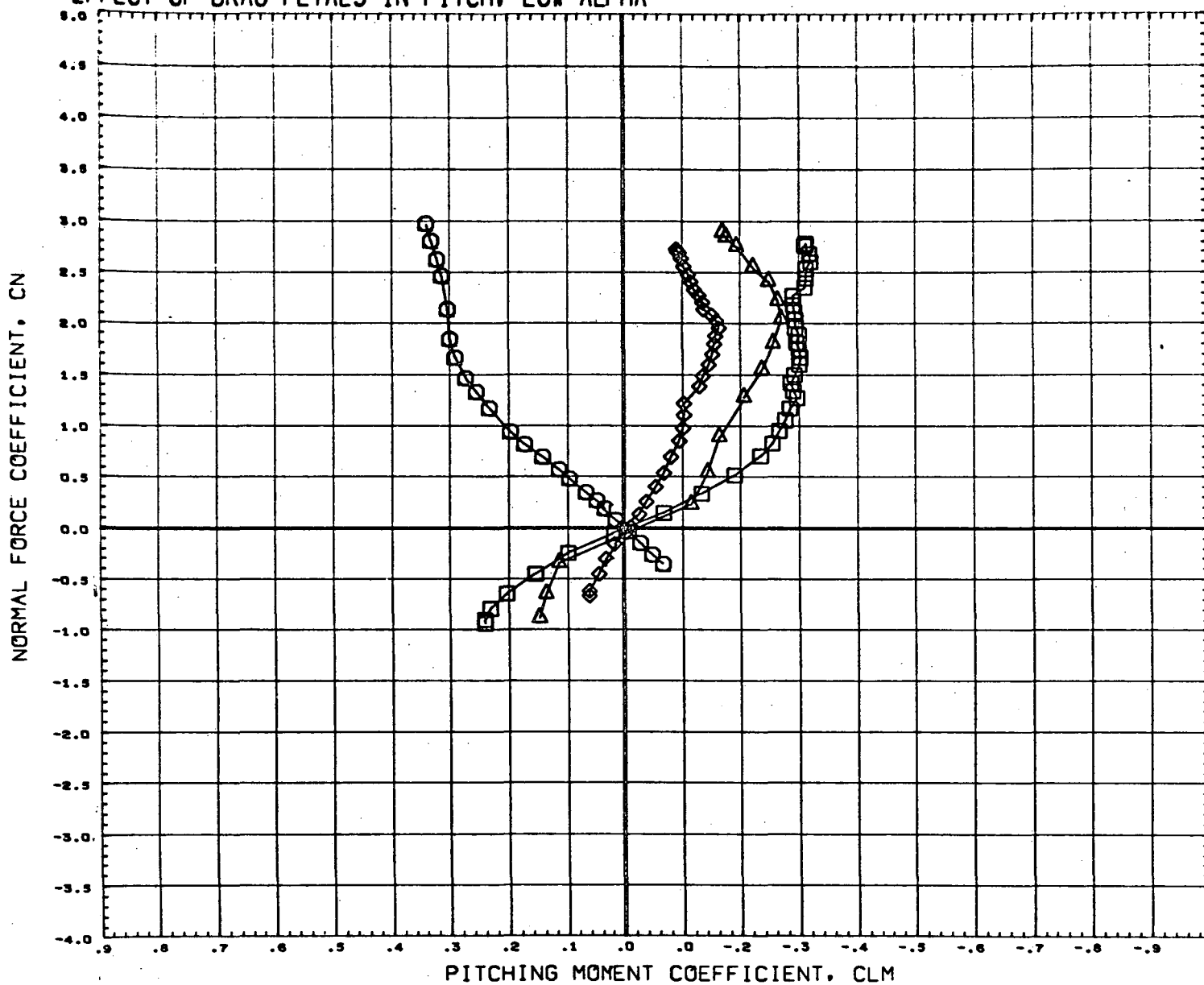
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(B08001)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3	0.000		SREF	9.7500 SQ. IN.
(R08071)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D7	0.000		LREF	14.6630 INCHES
(R08081)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D8	0.000		BREF	14.6630 INCHES
(R08191)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D8.3	0.000		XMRP	0.6000 LBODY
(R08181)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D7.3	0.000		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8699 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

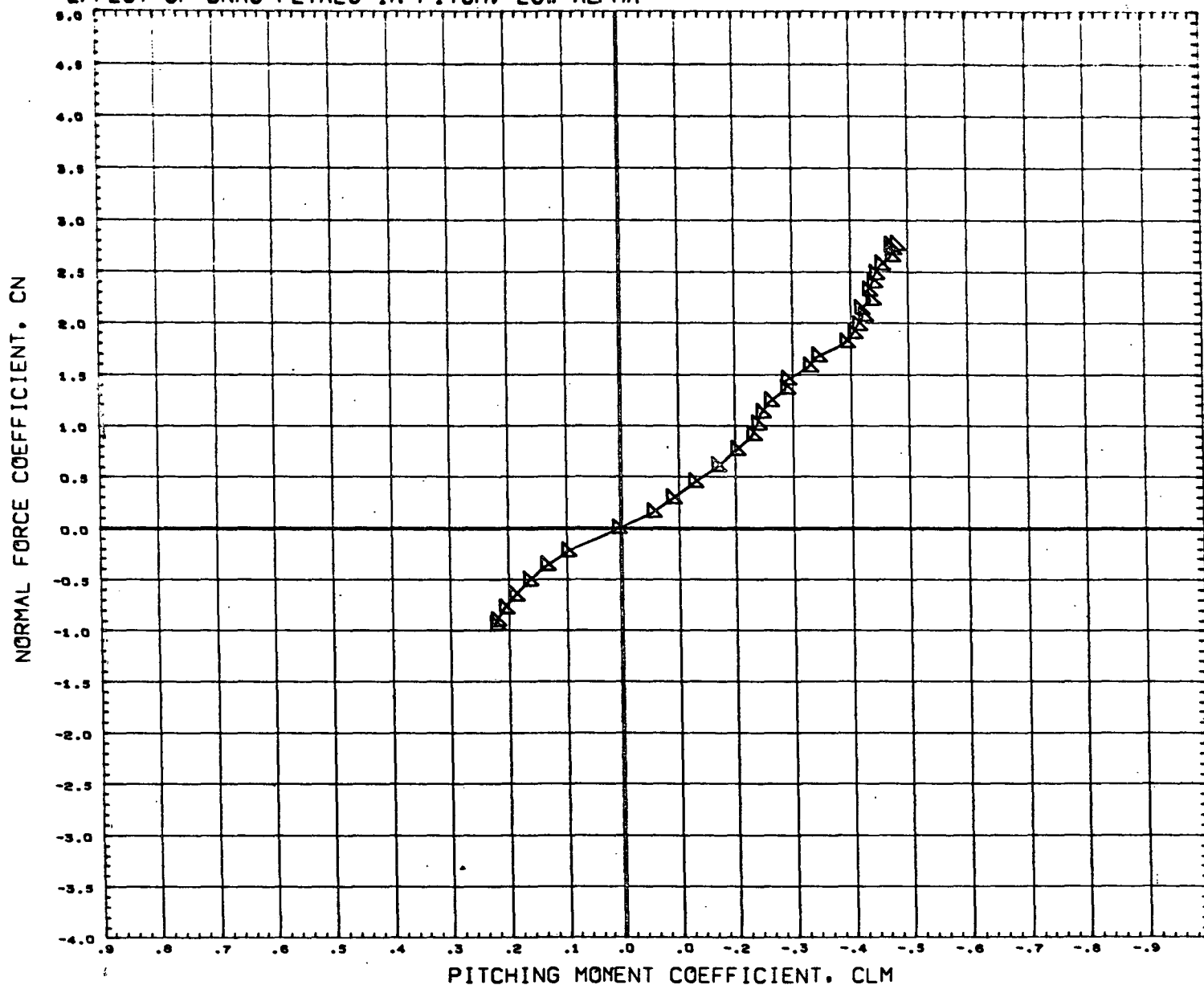


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF 9.7500 SQ. IN.
(RD8071)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D7	0.000		LREF 14.6830 INCHES
(RD8081)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D8	0.000		BREF 14.6830 INCHES
(RD8191)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D8.3	0.000		XMRF 0.6000 LBODY
(RD8181)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		YMRF 0.0000 INCHES
				ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



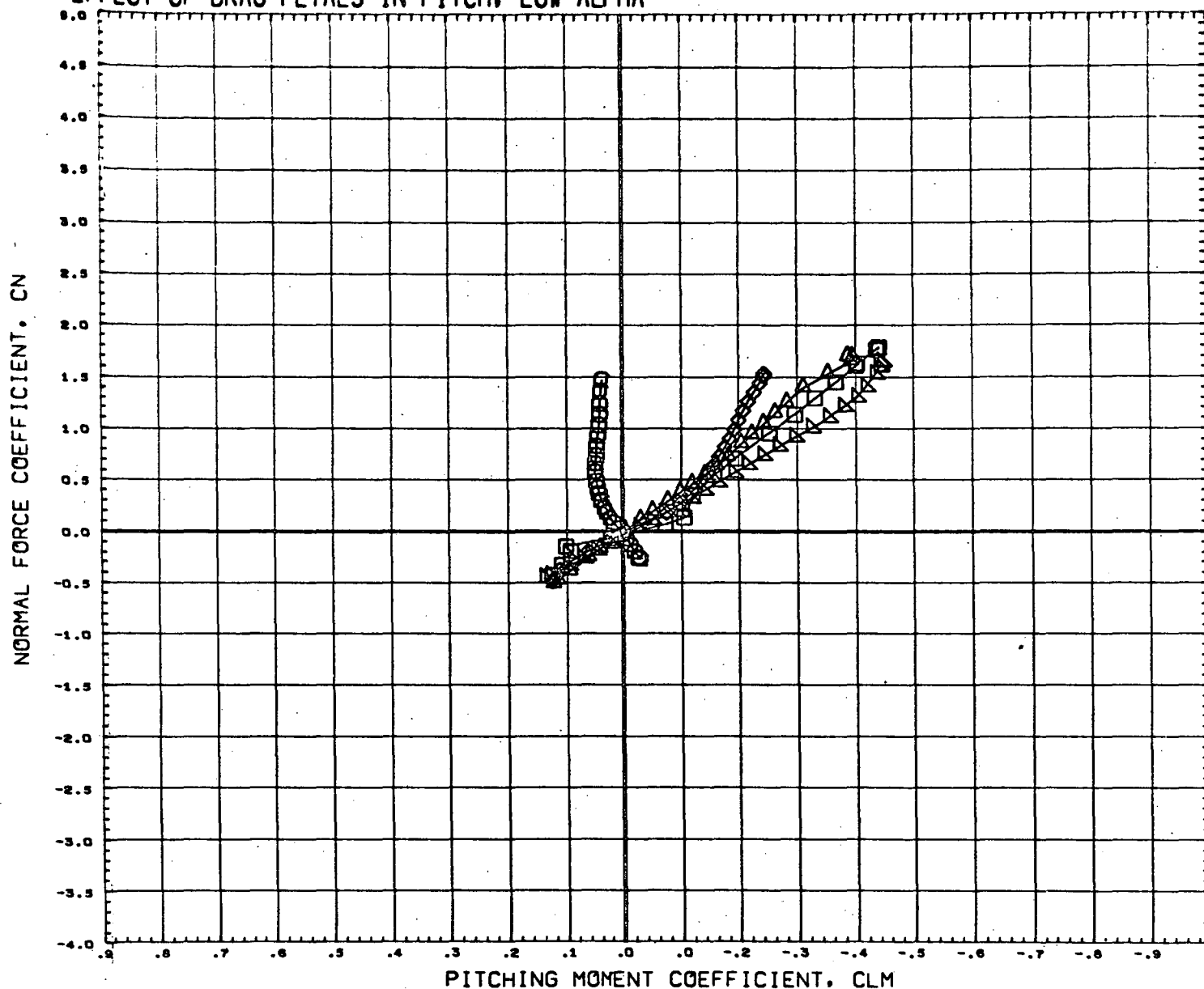
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(8D8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(8D8071)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(8D8081)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(8D8191)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(8D8181)	BTWT 1282/BSWT 557 PR-FED BRB B55307.3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

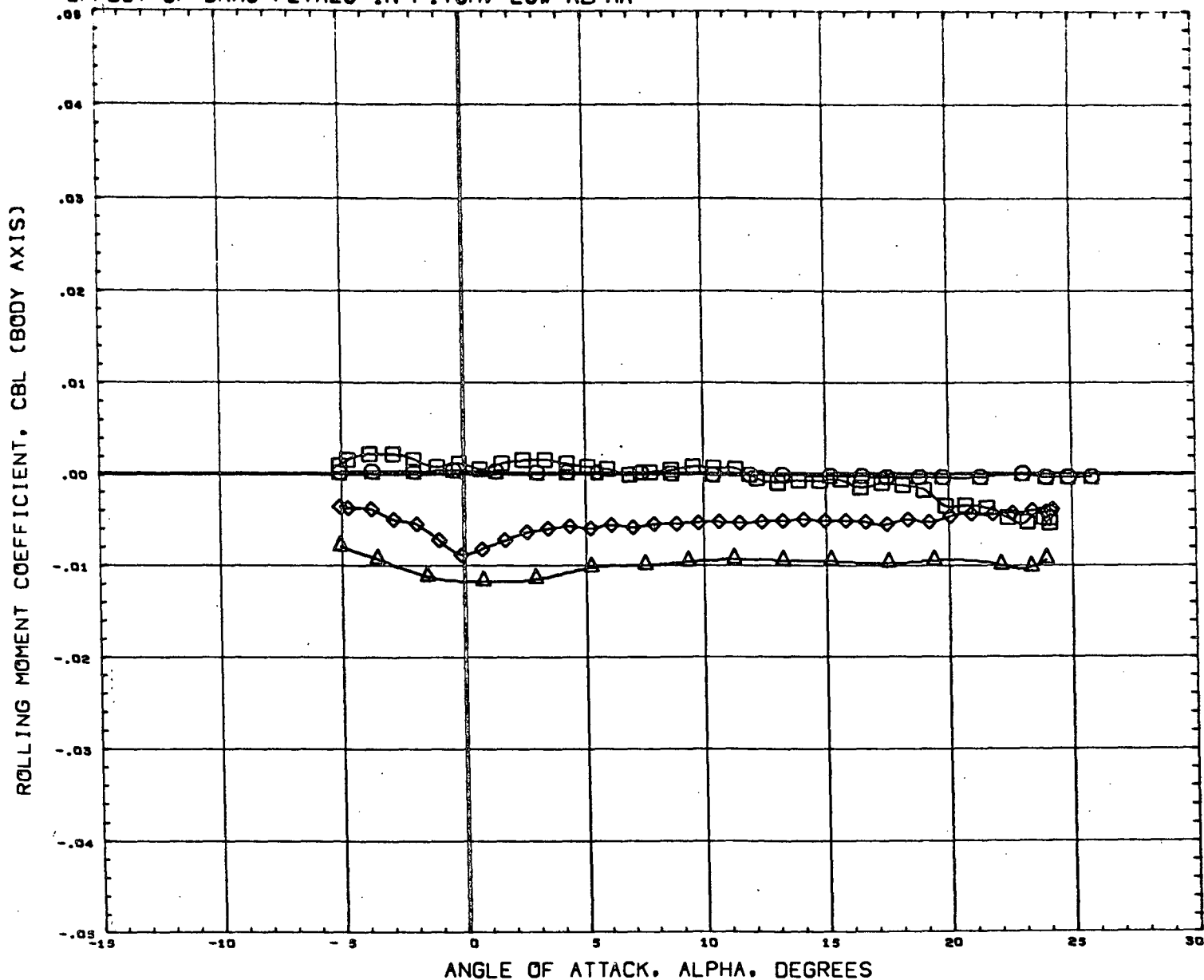


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(B08001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		SREF 9.7500 SQ. IN.
(RD8071)	BTWT 1282/BSWT 557 PR-FED BRB 855307	0.000		LREF 14.6830 INCHES
(RD8081)	BTWT 1282/BSWT 557 PR-FED BRB 855308	0.000		BREF 14.6830 INCHES
(RD8191)	BTWT 1282/BSWT 557 PR-FED BRB 855308.3	0.000		XMRP 0.0000 LBODY
(RD8181)	BTWT 1282/BSWT 557 PR-FED BRB 855307.3	0.000		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B553
(RD8071)	BTWT 1282/BSWT 557 PR-FED BRB B553D7
(RD8081)	BTWT 1282/BSWT 557 PR-FED BRB B553D8
(RD8191)	BTWT 1282/BSWT 557 PR-FED BRB B553D8.3
(RD8191)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	
0.000	
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
YMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

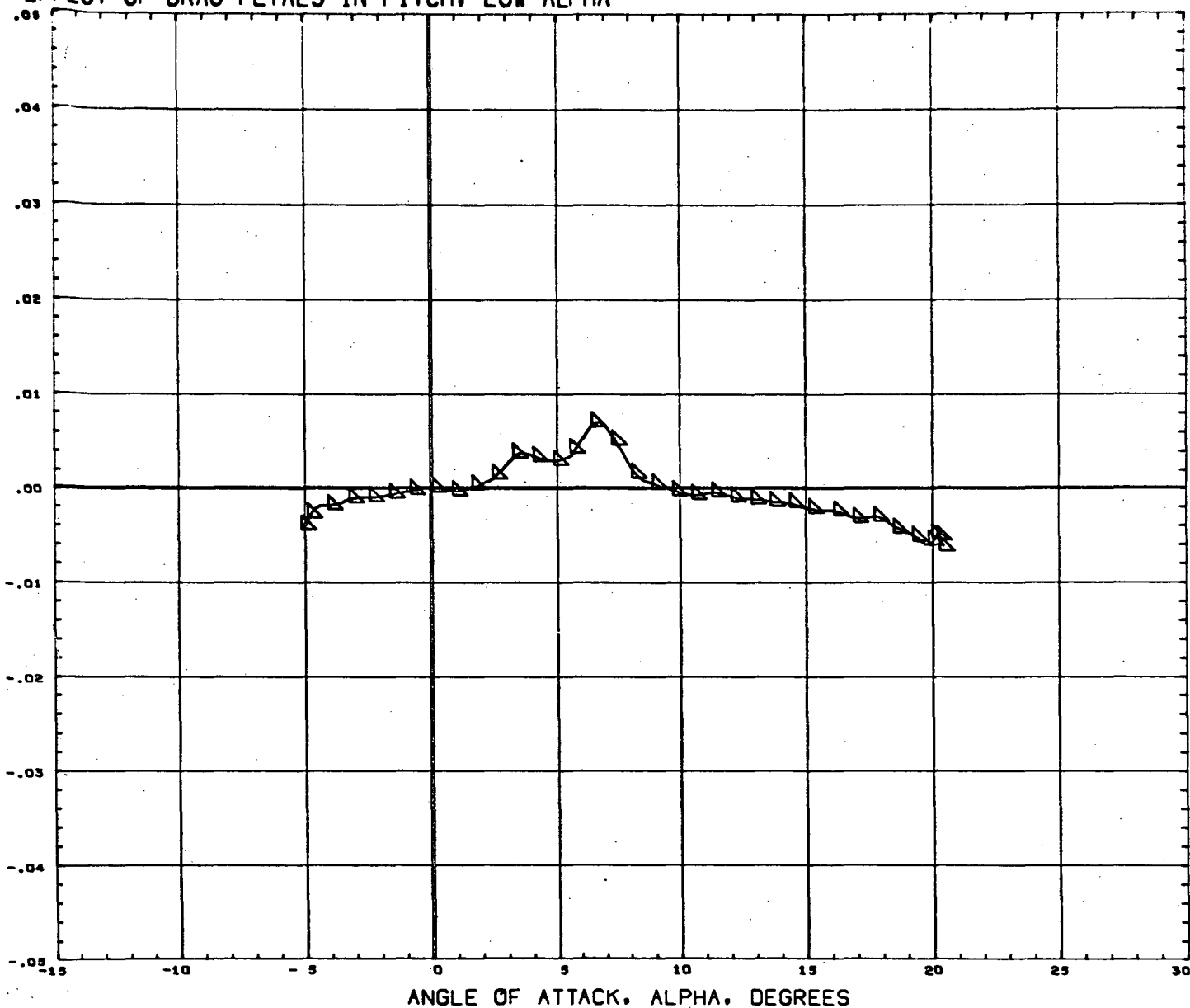
MACH

1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



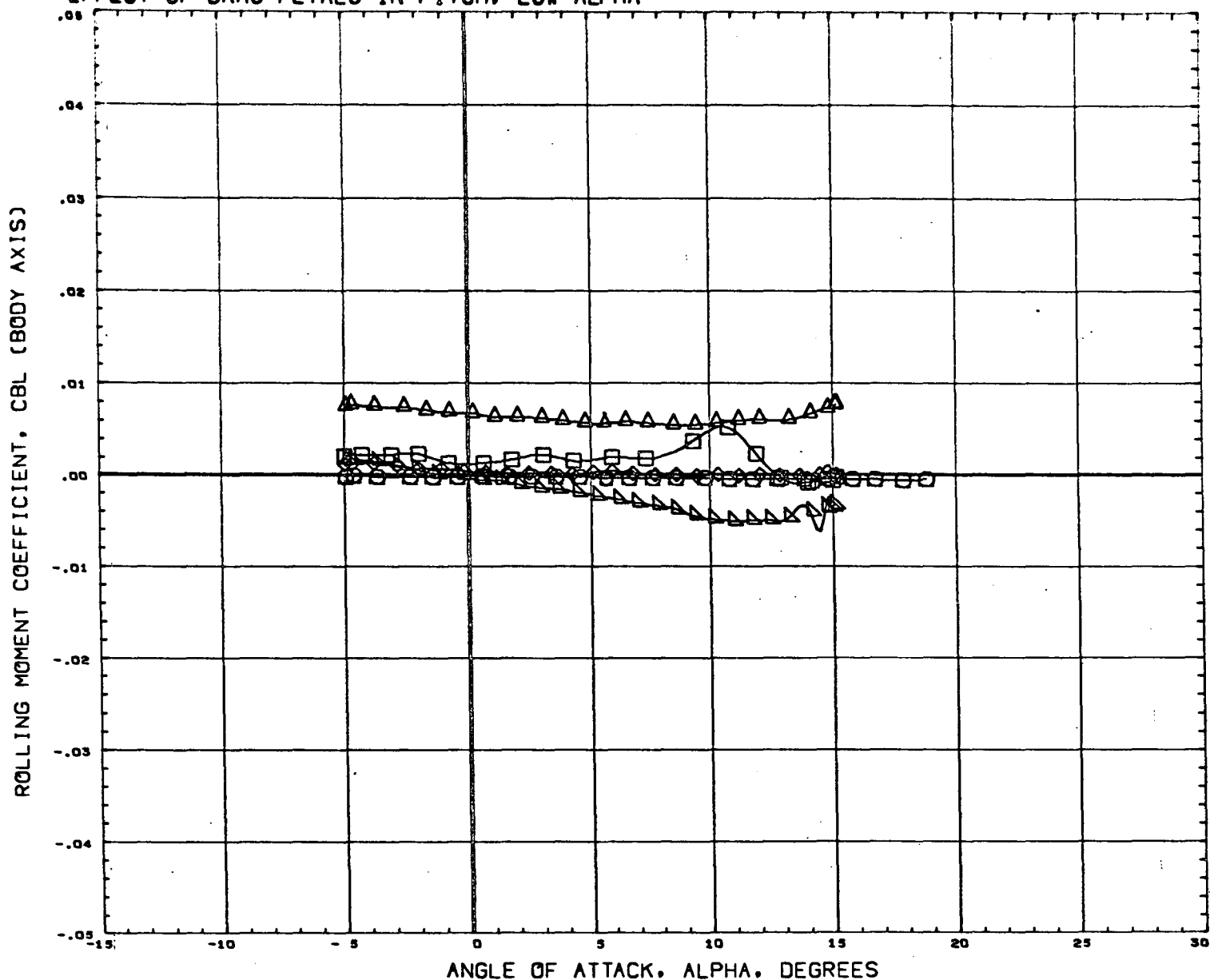
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8071)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8081)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8191)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8181)	BTWT 1282/BSWT 557 PR-FED BR8 855307.3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA



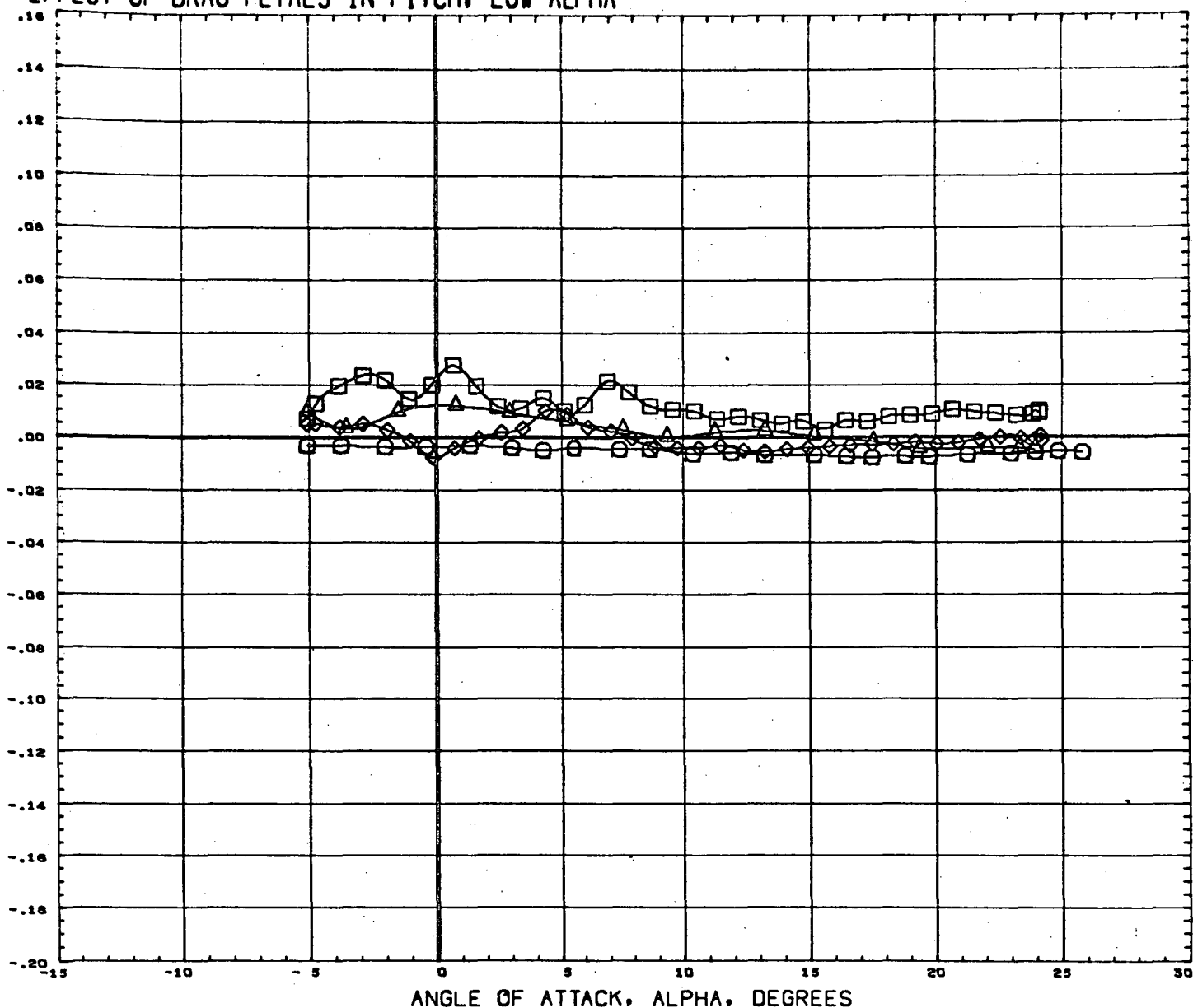
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV	REFERENCE INFORMATION		
(B08001)	CAG	BTWT 1282/BSWT 557	PR-FED BRB	8553	0.000		SREF	9.7500	SQ. IN.
(RD8071)		BTWT 1282/BSWT 557	PR-FED BRB	855307	0.000		LREF	14.6830	INCHES
(RD8081)		BTWT 1282/BSWT 557	PR-FED BRB	855308	0.000		BREF	14.6830	INCHES
(RD8191)		BTWT 1282/BSWT 557	PR-FED BRB	855308.3	0.000		XMRP	0.6000	LBODY
(RD8181)		BTWT 1282/BSWT 557	PR-FED BRB	855307.3	0.000		YMRP	0.0000	INCHES
							ZMRP	0.0000	INCHES
							SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



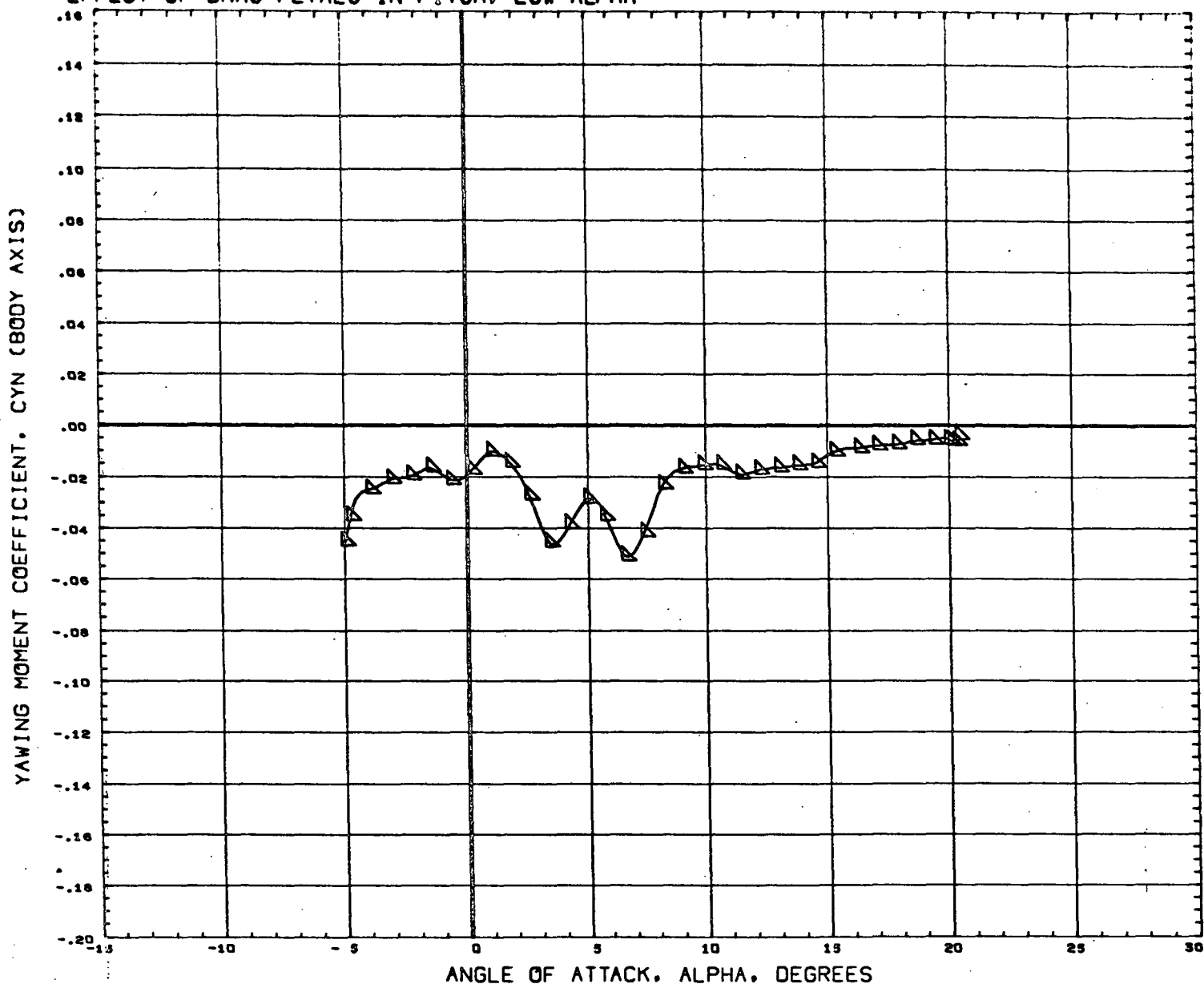
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000	
(RD8071)	BTWT 1282/BSWT 557 PR-FED BRB B5S307	0.000	
(RD8081)	BTWT 1282/BSWT 557 PR-FED BRB B5S308	0.000	
(RD8191)	BTWT 1282/BSWT 557 PR-FED BRB B5S308.3	0.000	
(RD9181)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD8001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8071)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8081)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8191)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(RD8181)	BTWT 1282/BSWT 557 PR-FED BRB B55307.3	0.000	

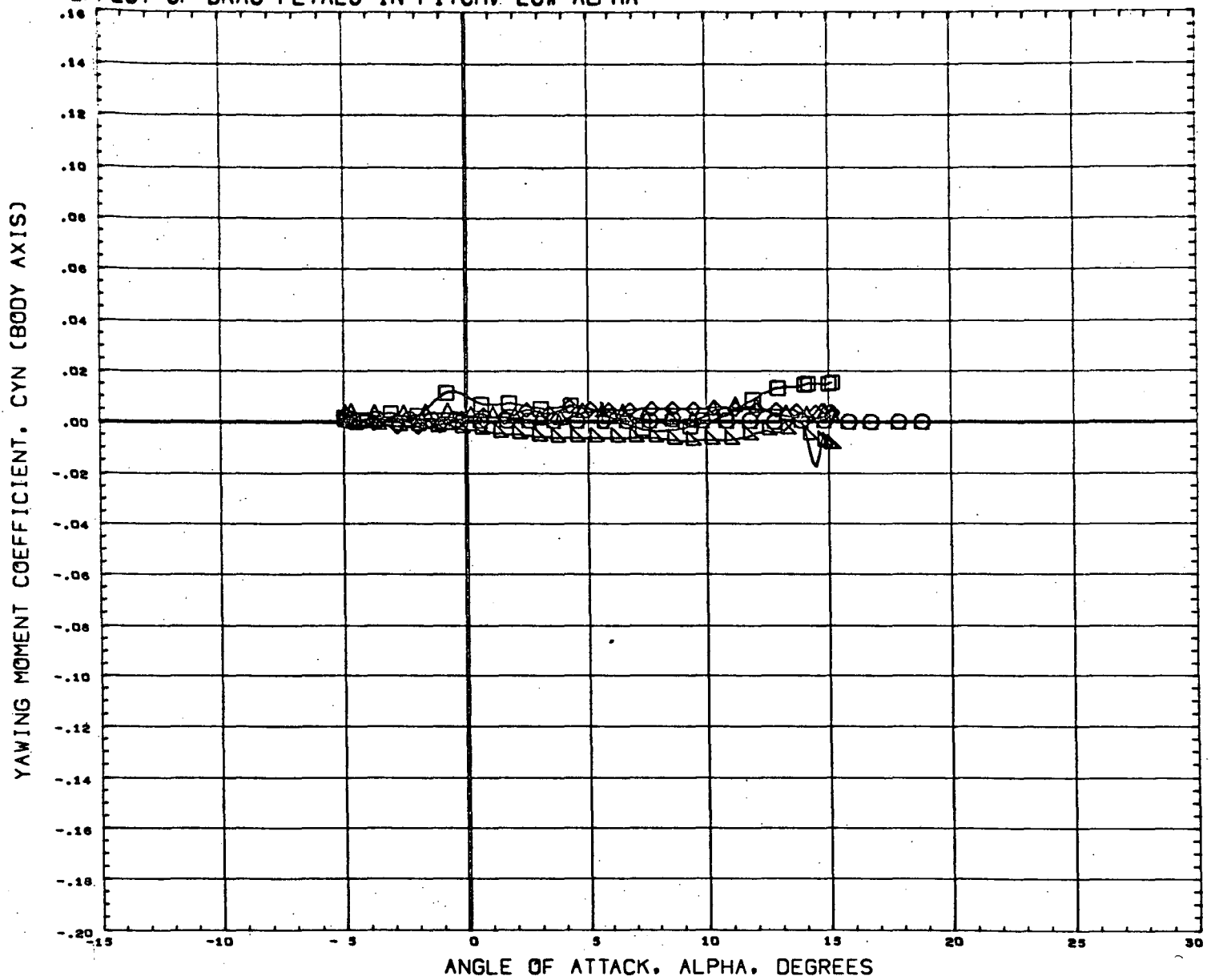
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BD8001)	BTWT 1282/BSWT 557	PR-FED BRB	B553
(RD8071)	BTWT 1282/BSWT 557	PR-FED BRB	B553D7
(RD8081)	BTWT 1282/BSWT 557	PR-FED BRB	B553D8
(RD8191)	BTWT 1282/BSWT 557	PR-FED BRB	B553D8.3
(RD8181)	BTWT 1282/BSWT 557	PR-FED BRB	B553D7.3

BETA DELTAV

0.000
0.000
0.000
0.000
0.000

REFERENCE INFORMATION

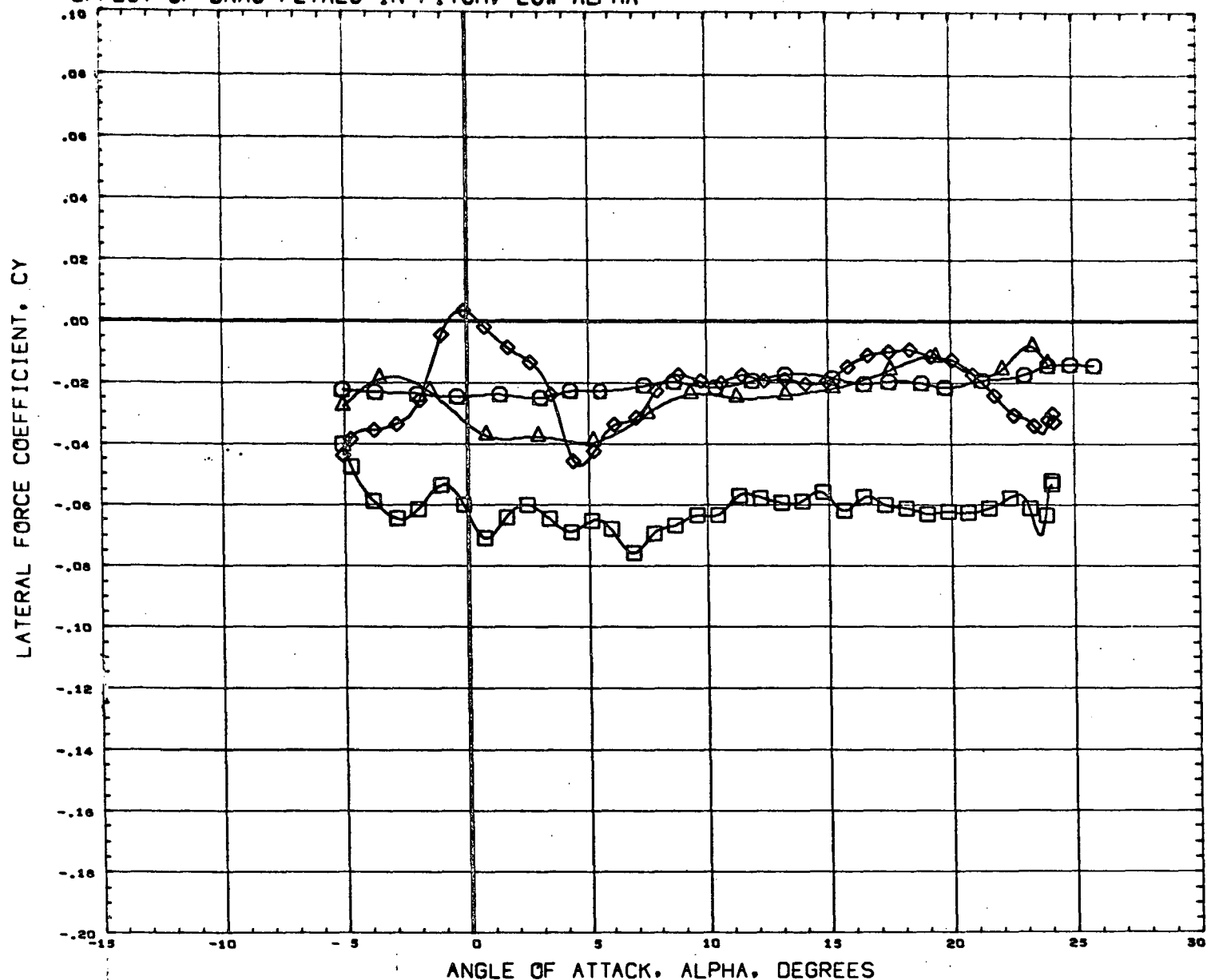
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

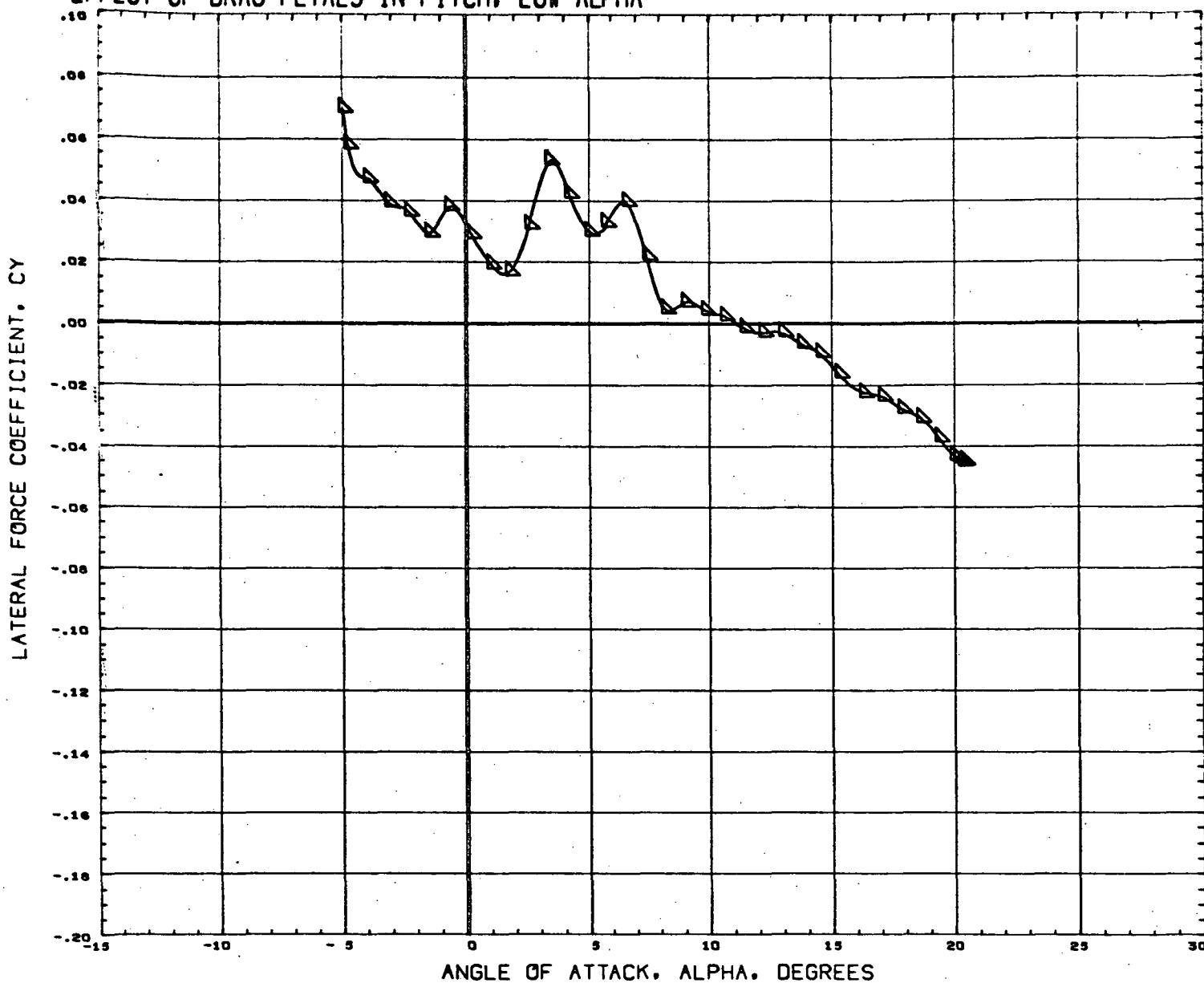


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(BD8001)	BTWT 1282/BSWT 557 PR-FED BRB 8553	0.000		SREF	9.7500 SQ. IN.
(RD8071)	BTWT 1282/BSWT 557 PR-FED BRB 855307	0.000		LREF	14.6830 INCHES
(RD8081)	BTWT 1282/BSWT 557 PR-FED BRB 855308	0.000		BREF	14.6830 INCHES
(RD8191)	BTWT 1282/BSWT 557 PR-FED BRB 855308.3	0.000		XMRP	0.6000 LBODY
(RD8181)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.29

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



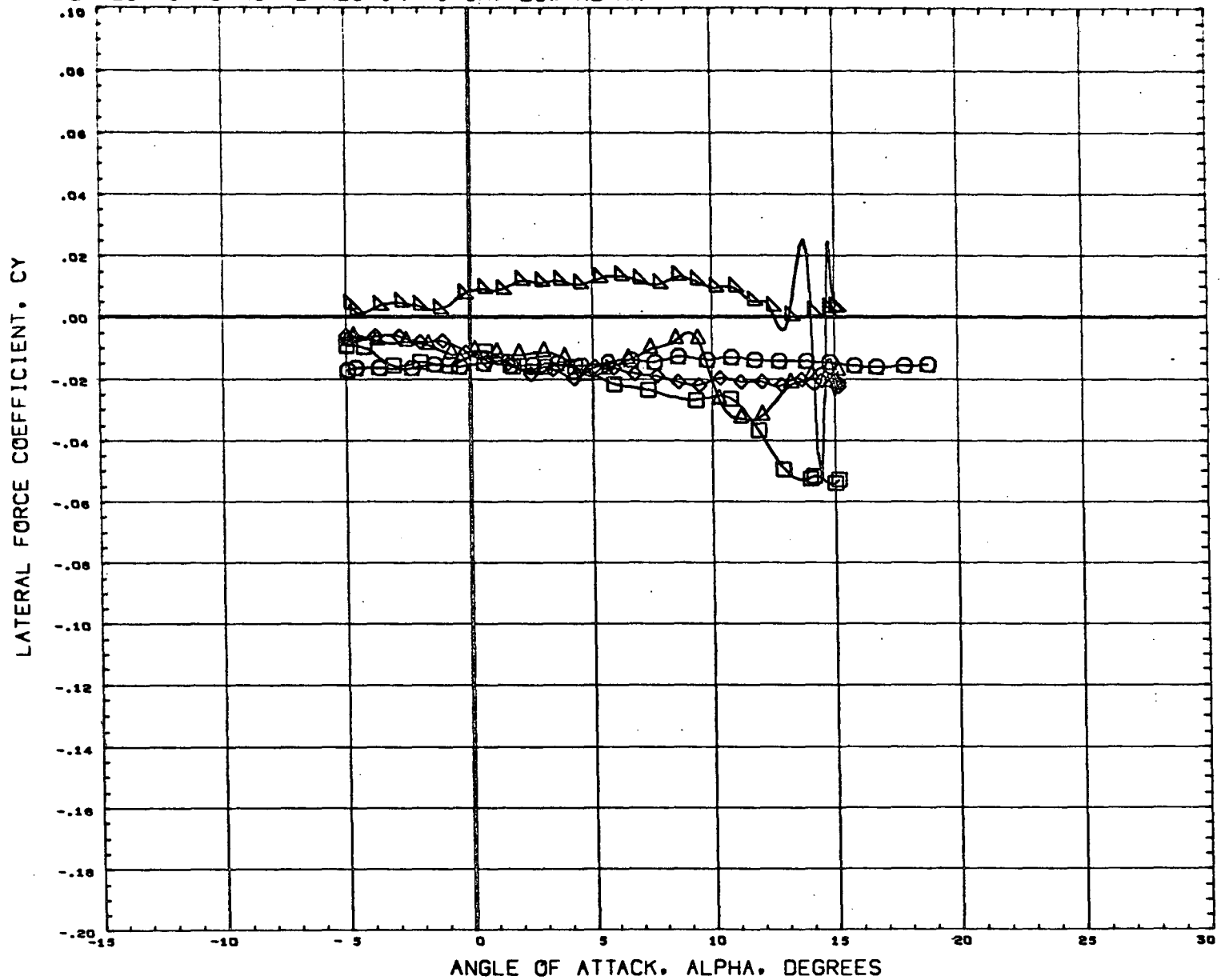
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(B08001)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08071)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08081)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08191)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	
(R08181)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D7.3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LB00T
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

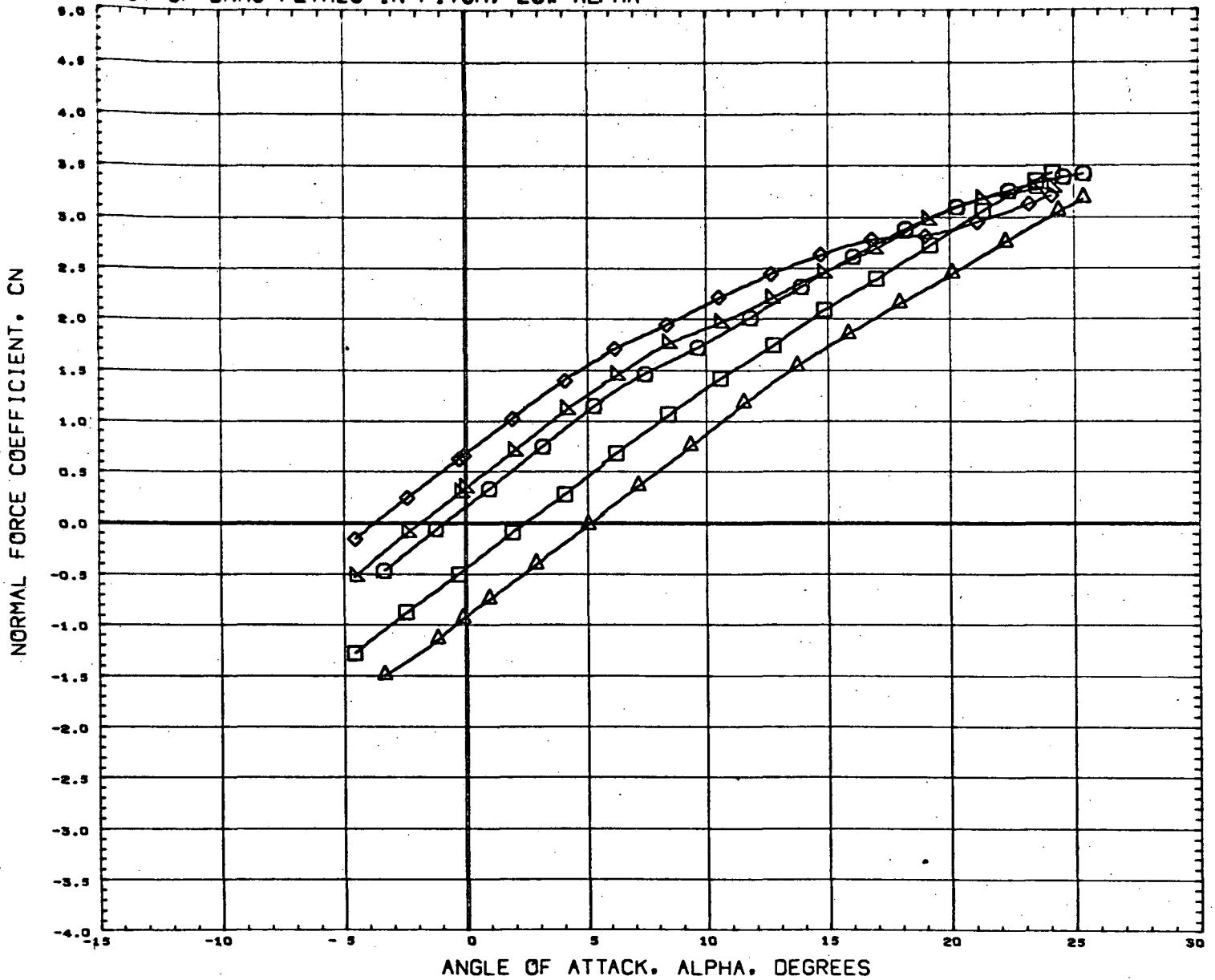


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION		
(R08001)	BTWT 1282/BSWT 557 PR-FED BRB B5S3	0.000		SREF	9.7500	SQ. IN.
(R08071)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D7	0.000		LREF	14.6830	INCHES
(R08081)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D8	0.000		BREF	14.6830	INCHES
(R08191)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D8.3	0.000		XMRF	0.6000	LBOY
(R08181)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D7.3	0.000		YMRF	0.0000	INCHES
				ZMRF	0.0000	INCHES
				SCALE	0.8899	PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R08501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(R08551)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.5V6F
(R08381)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.7V6
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.7V6

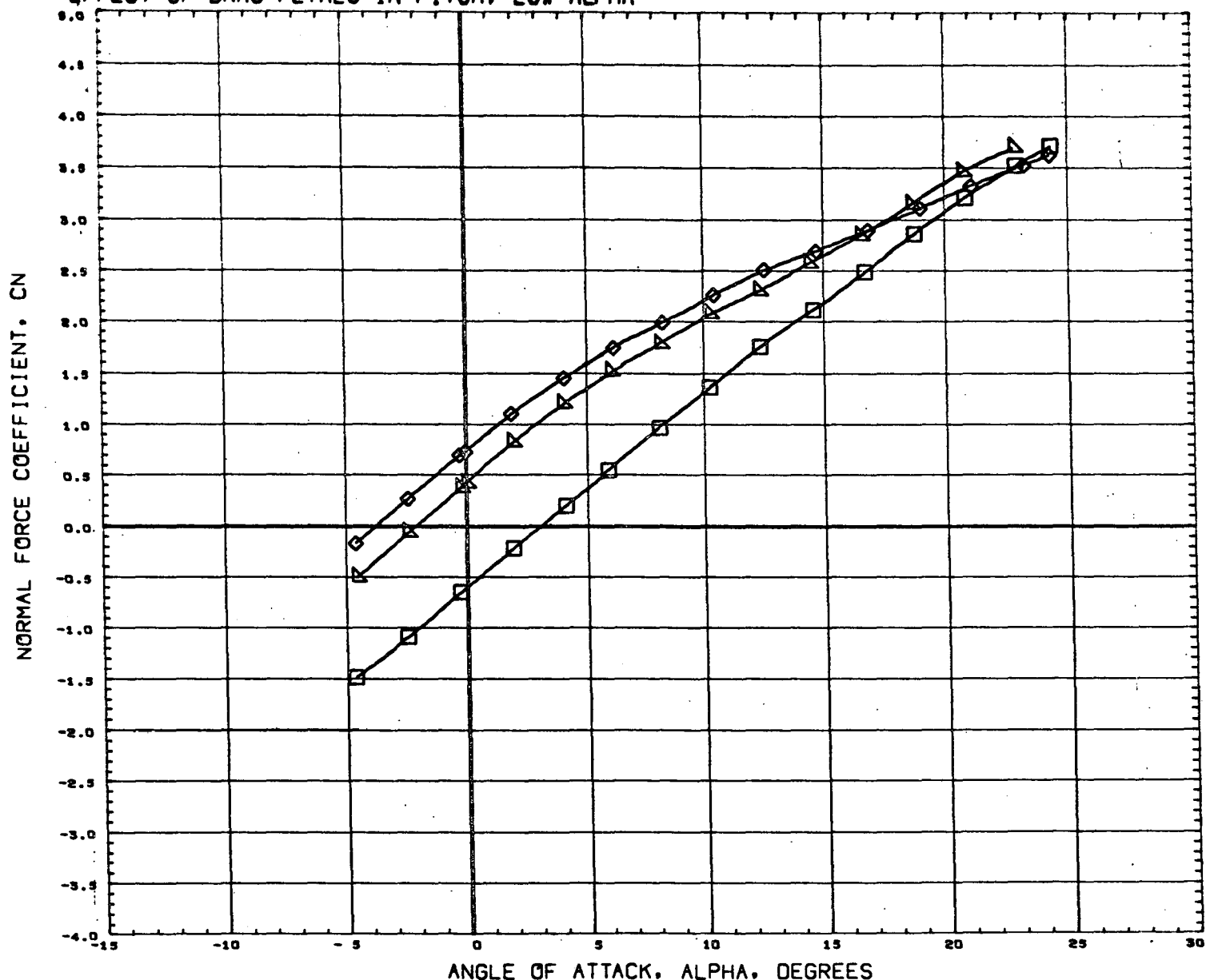
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

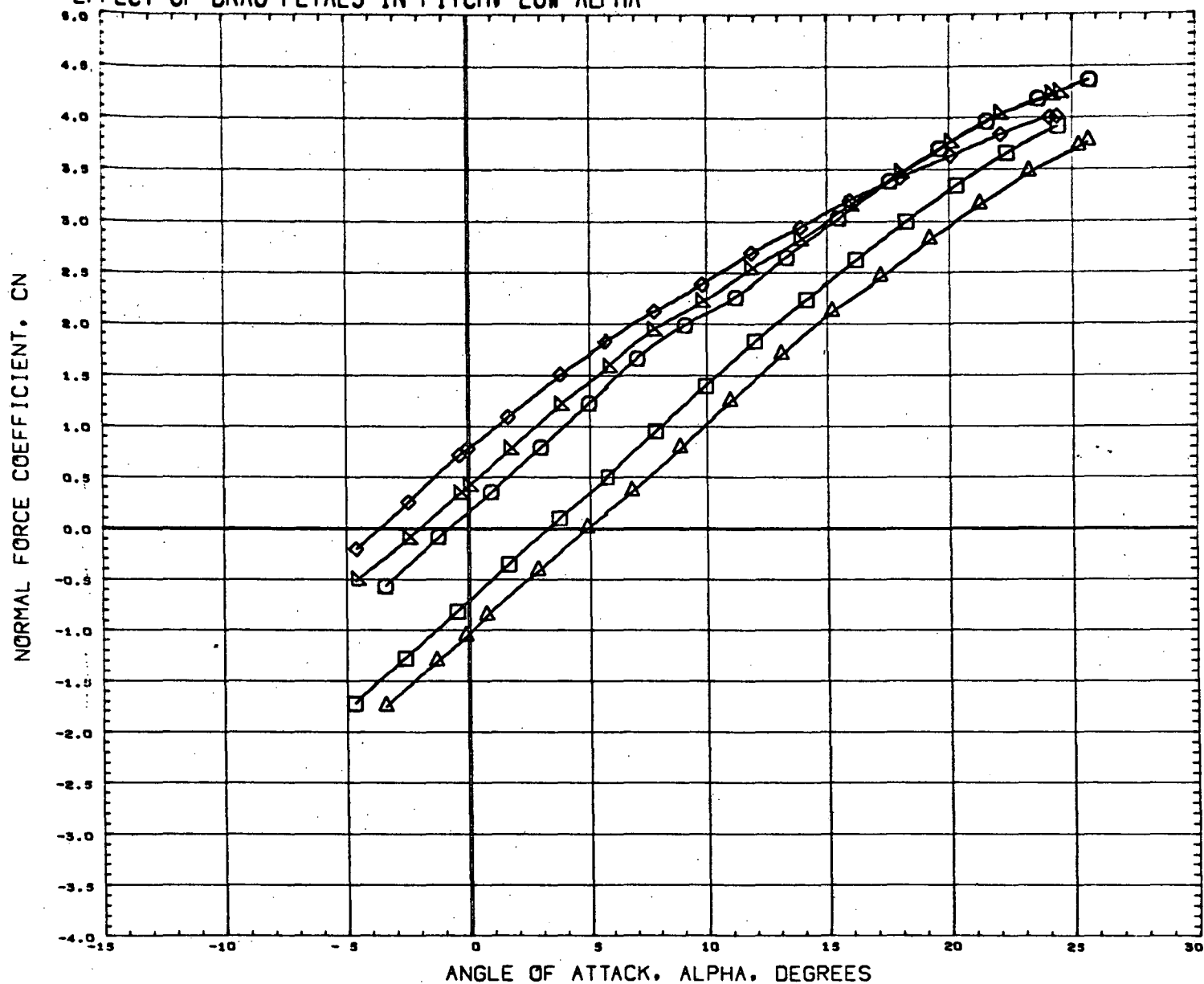


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(WD8501)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8551)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(RD8361)	◇	BTWT 1262/BSWT 557 PR-FED BRB 8553D1.7V6	0.000	0.000	BREF	14.6830 INCHES
(RD8351)	◻	BTWT 1262/BSWT 557 PR-FED BRB 8553D4.5V6	0.000	0.000	XMRP	0.6000 LBODY
(RD8371)	◻	BTWT 1262/BSWT 557 PR-FED BRB 8553D4.7V6	0.000	0.000	YMRP	0.0000 INCHES
					ZMRP	0.0000 INCHES
					SCALE	0.8899 PERCNT

MACH .80

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



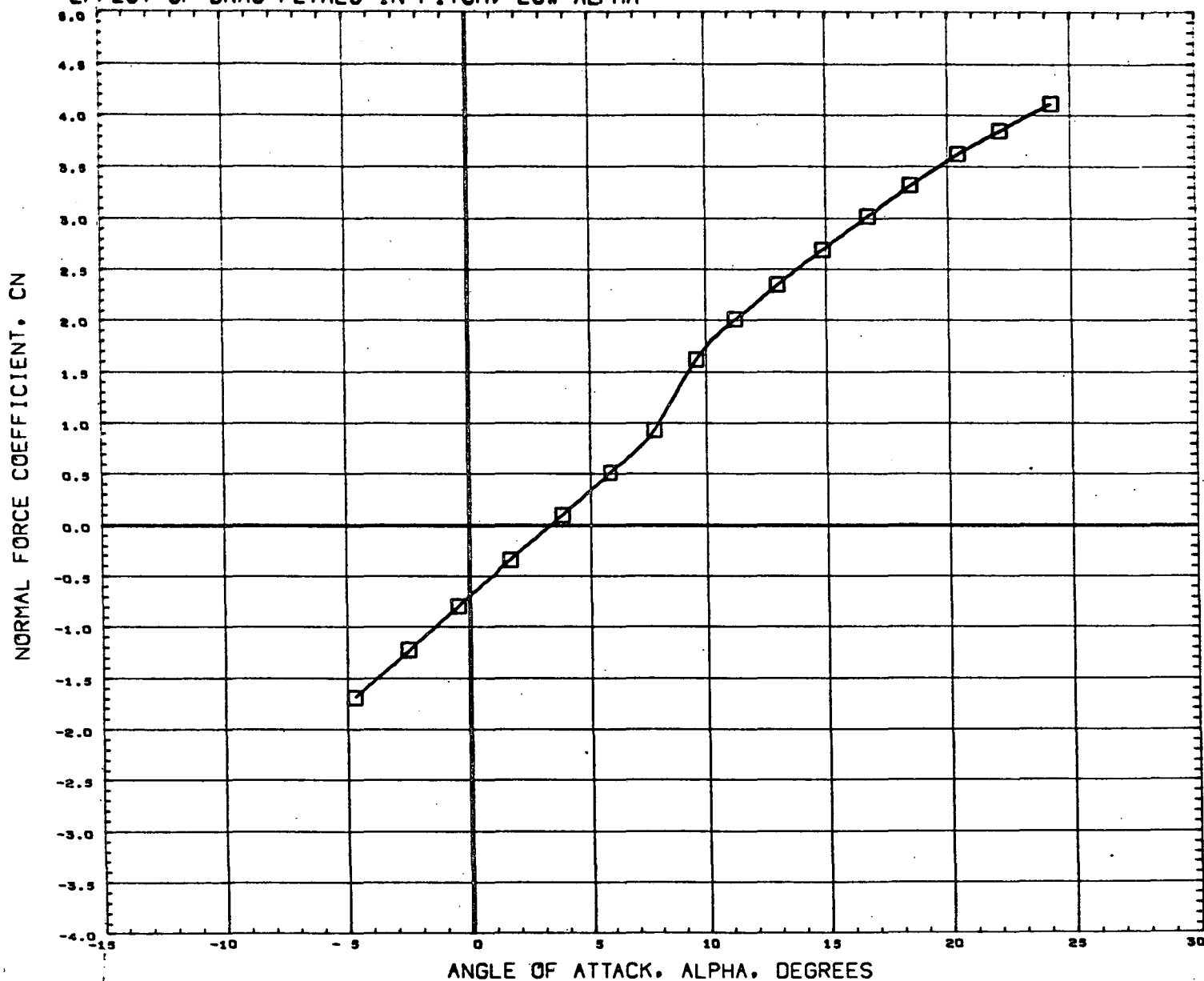
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(R08551)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6F	0.000	0.000
(R08581)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.7V6	0.000	0.000
(R08551)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.7V6	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET:SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000

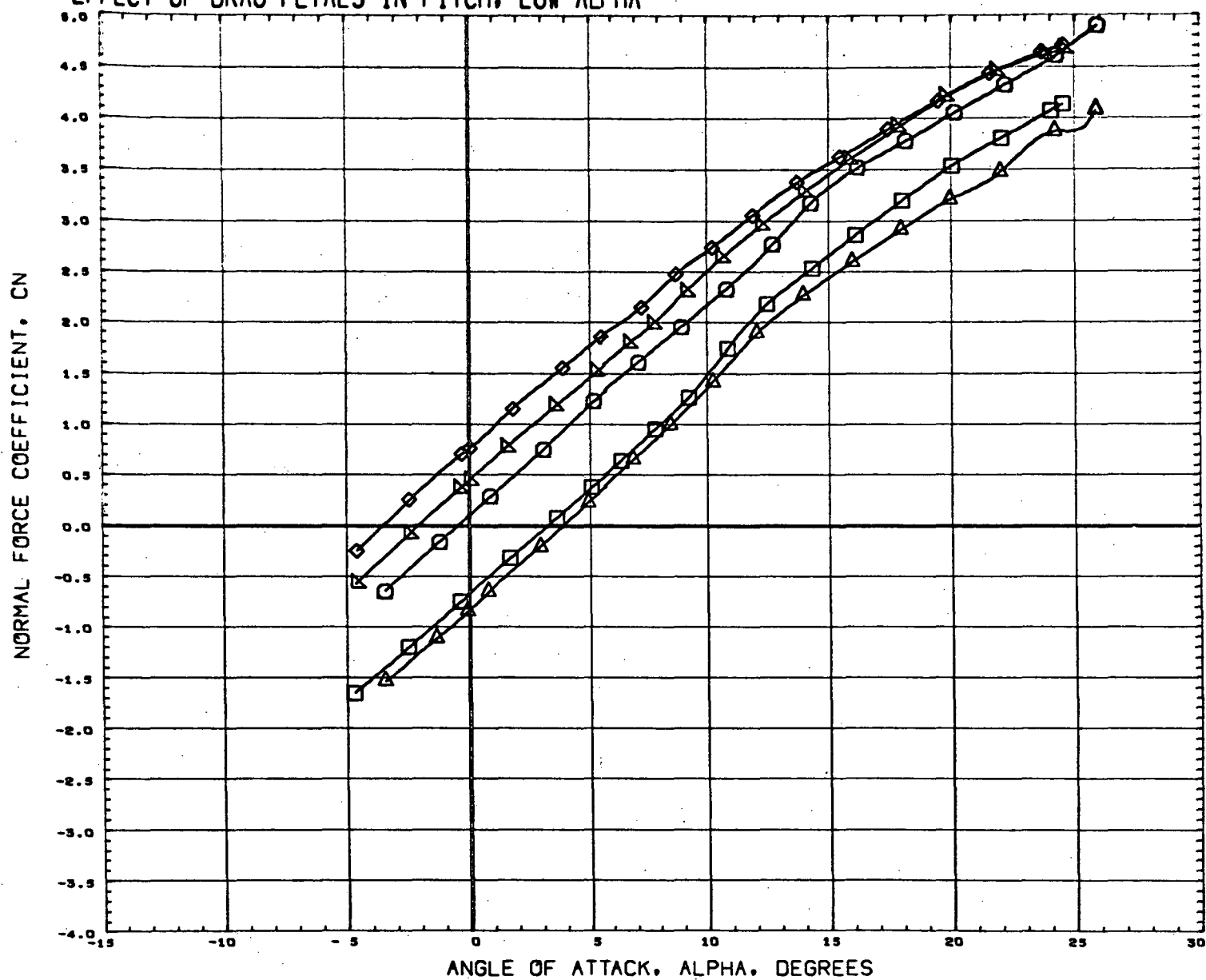
REFERENCE INFORMATION		
SREF	9.7500	S3.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(RD8551)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6F	0.000	0.000
(RD8561)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.7V6	0.000	0.000
(RD8551)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000
(RD8571)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.7V6	0.000	0.000

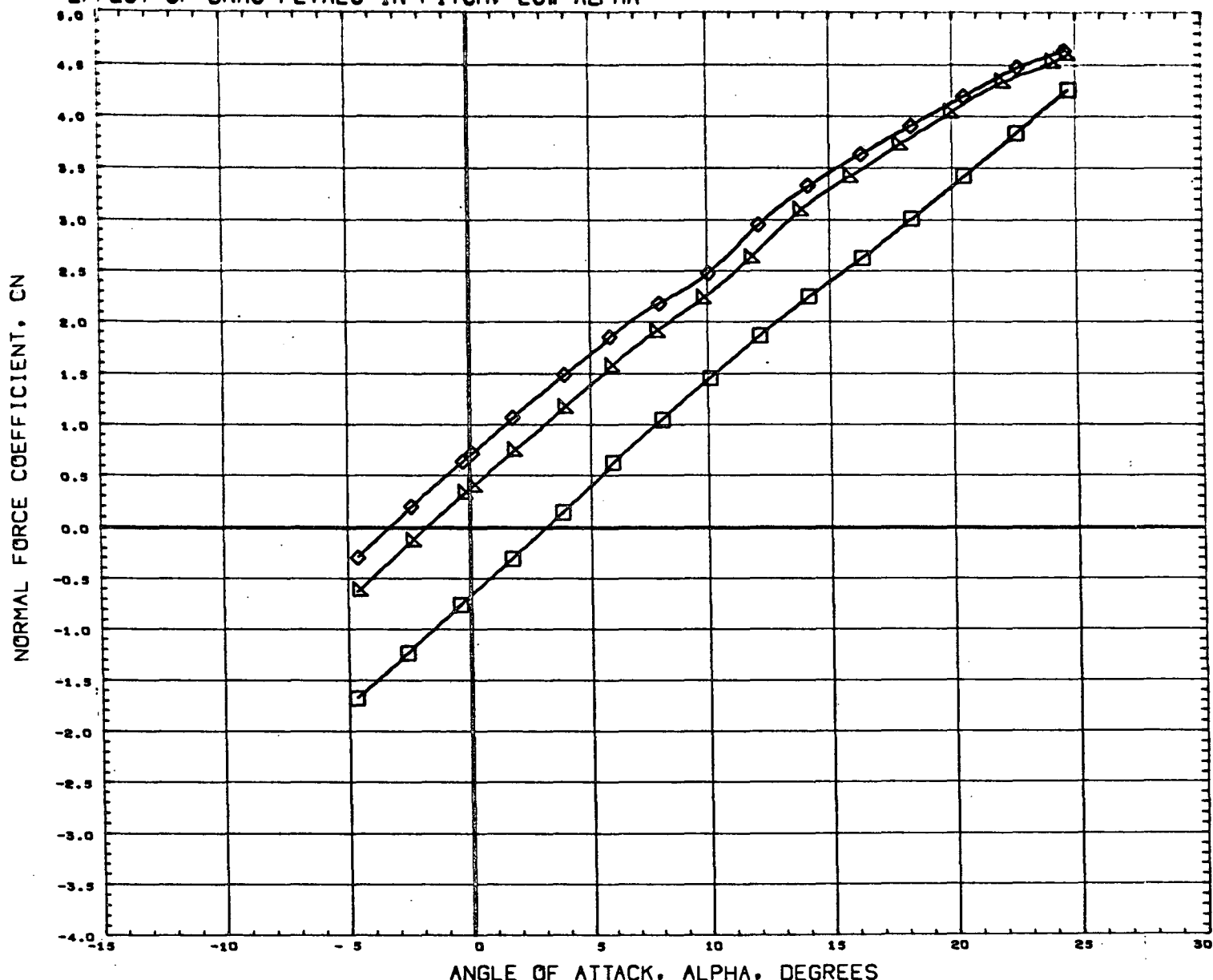
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

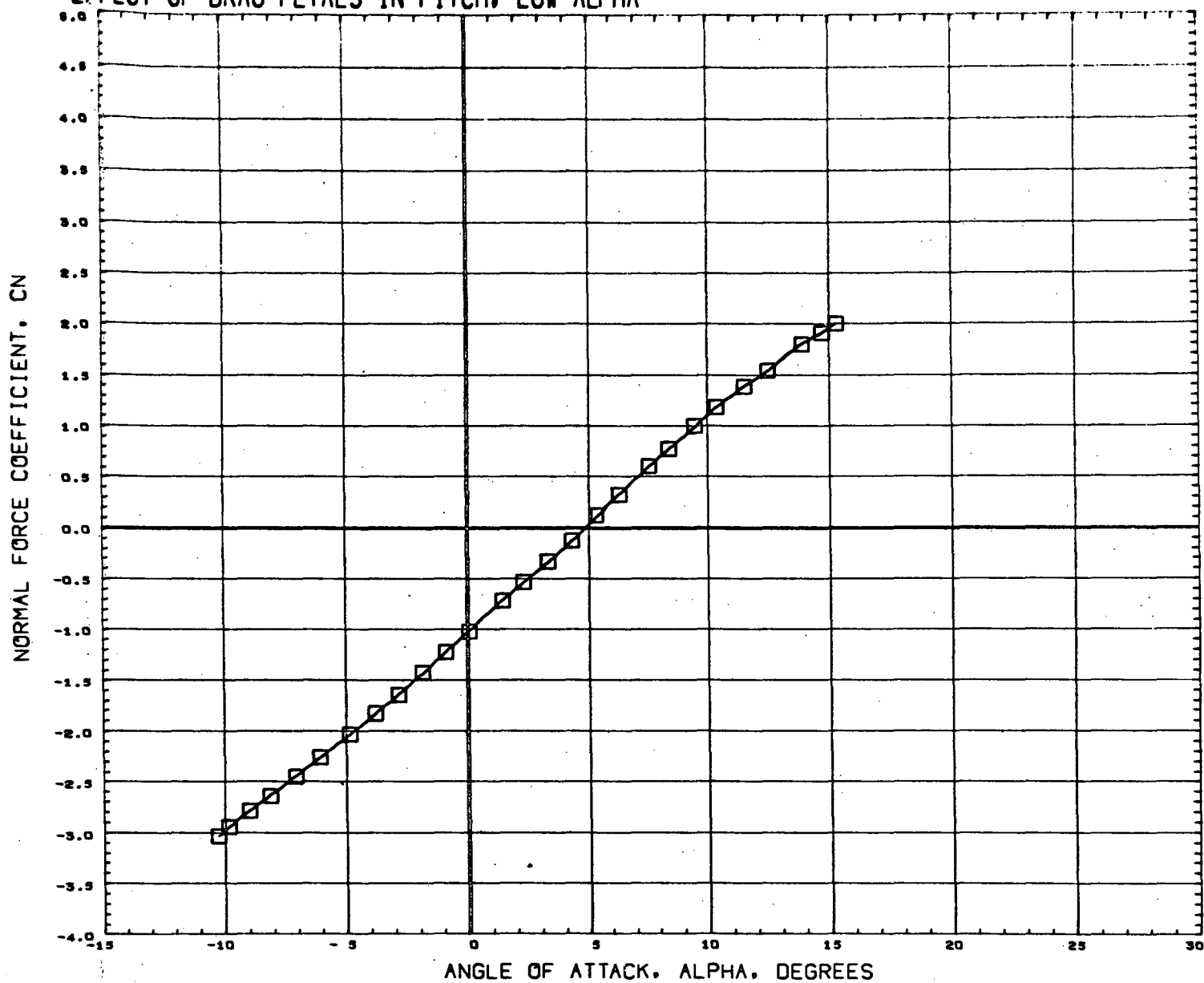


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(R08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.7V6	0.000	0.000	BREF	14.6830 INCHES
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000	XMRP	0.0000 ILBODY
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.7V6	0.000	0.000	YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8699 PERCENT

MACH 1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6
(RD8371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

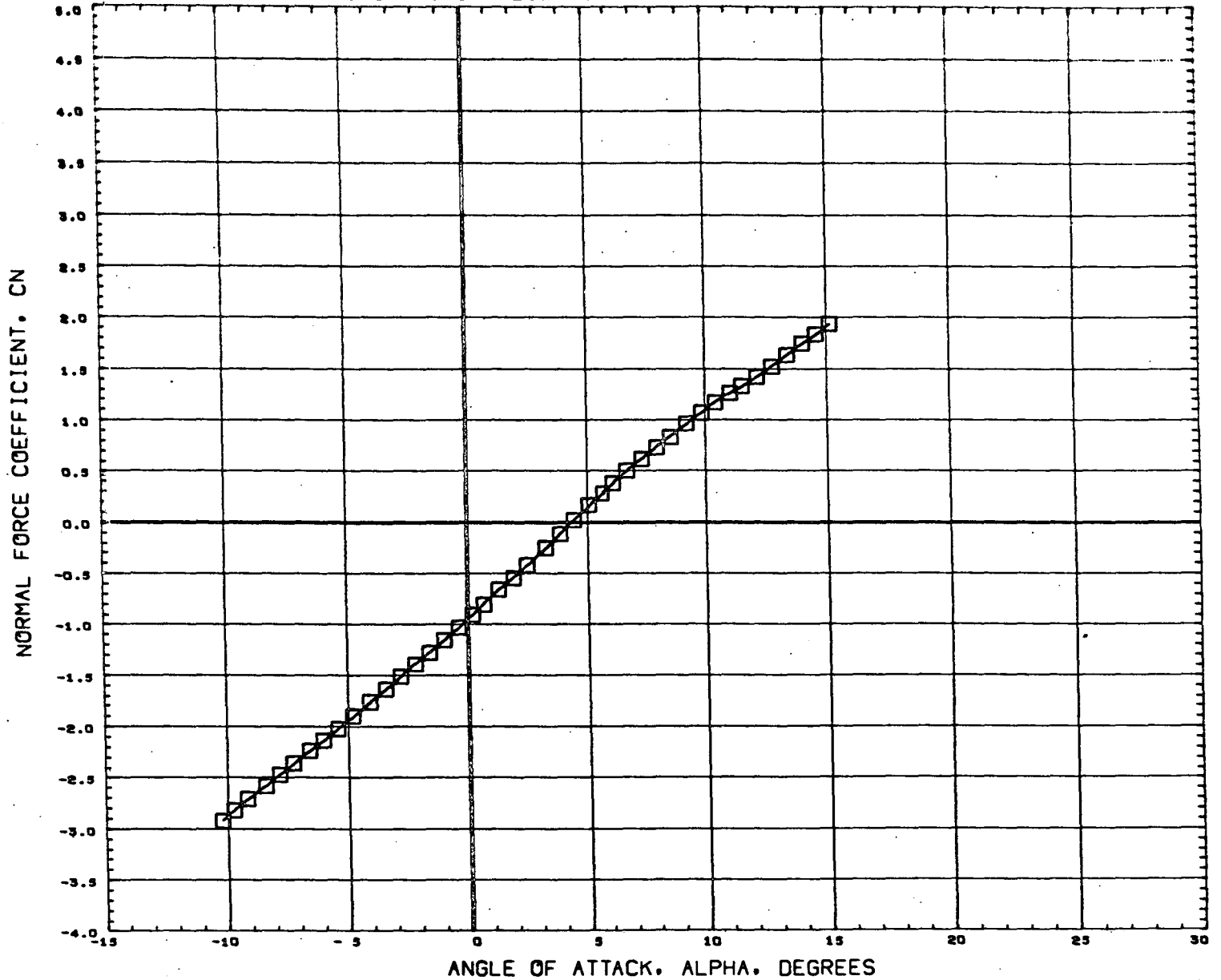
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH

1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

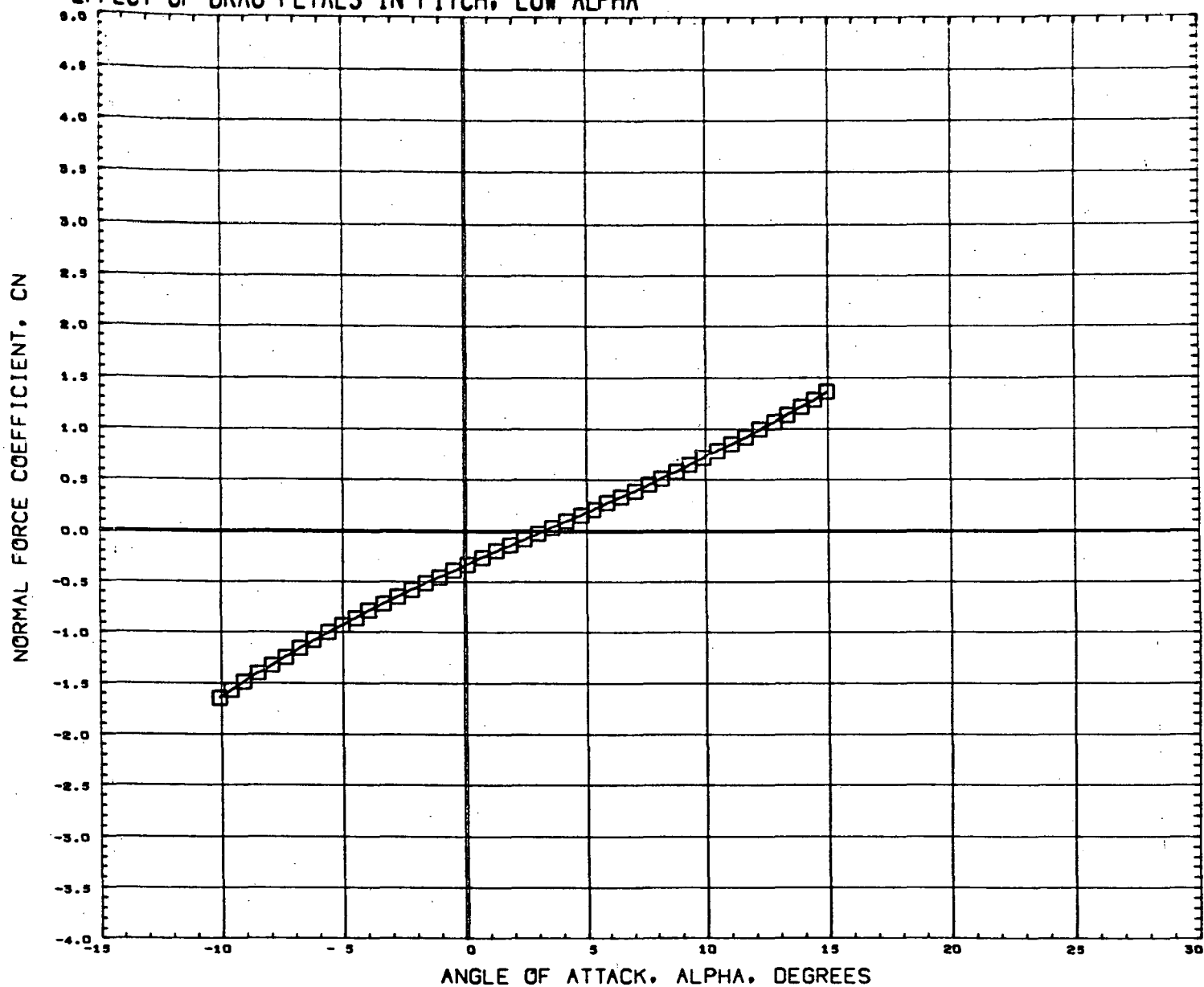


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB BSS304.5V6	0.000	0.000	XMRP	0.0000 LBODY
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8699 PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD9551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6
(RD8371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

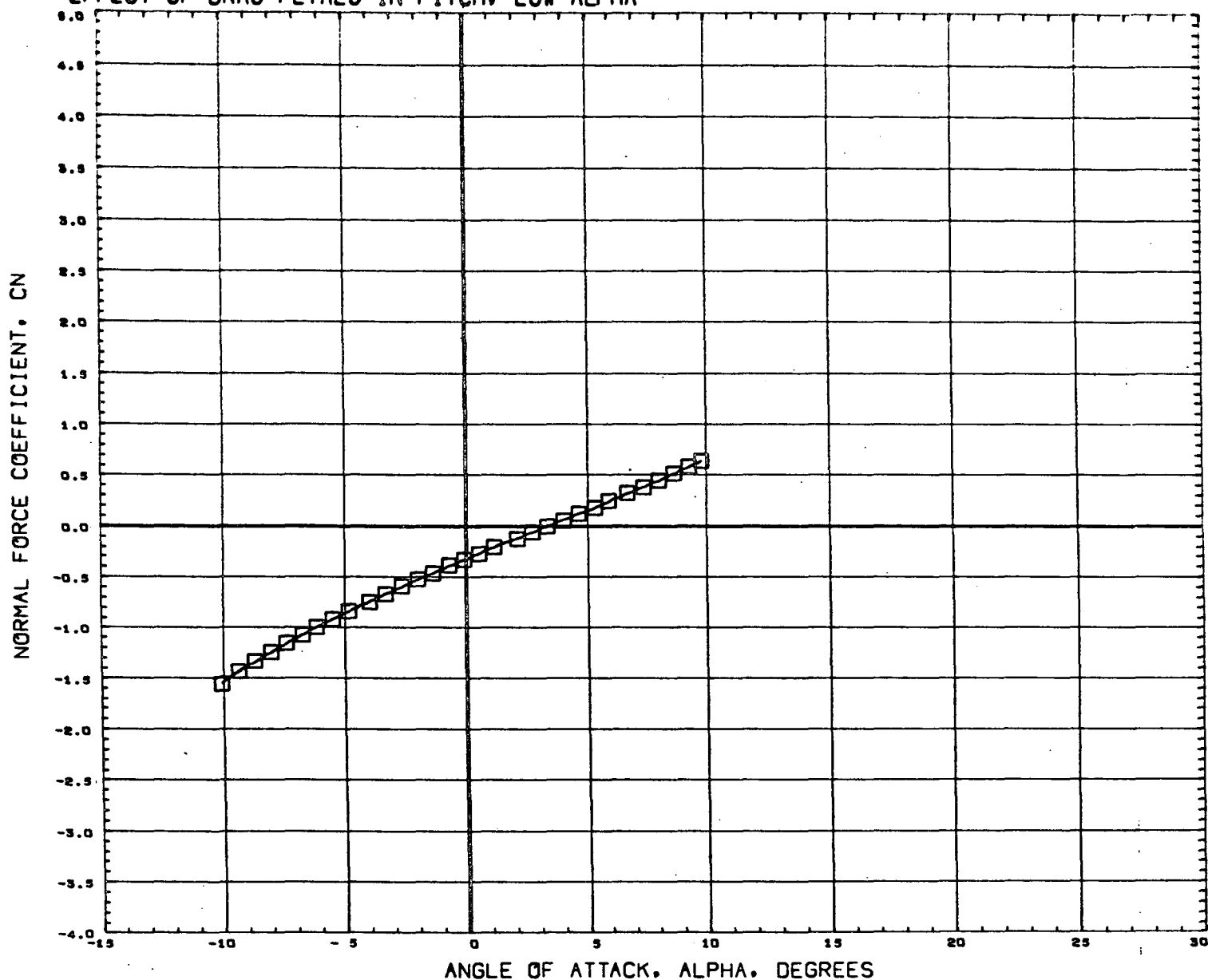
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



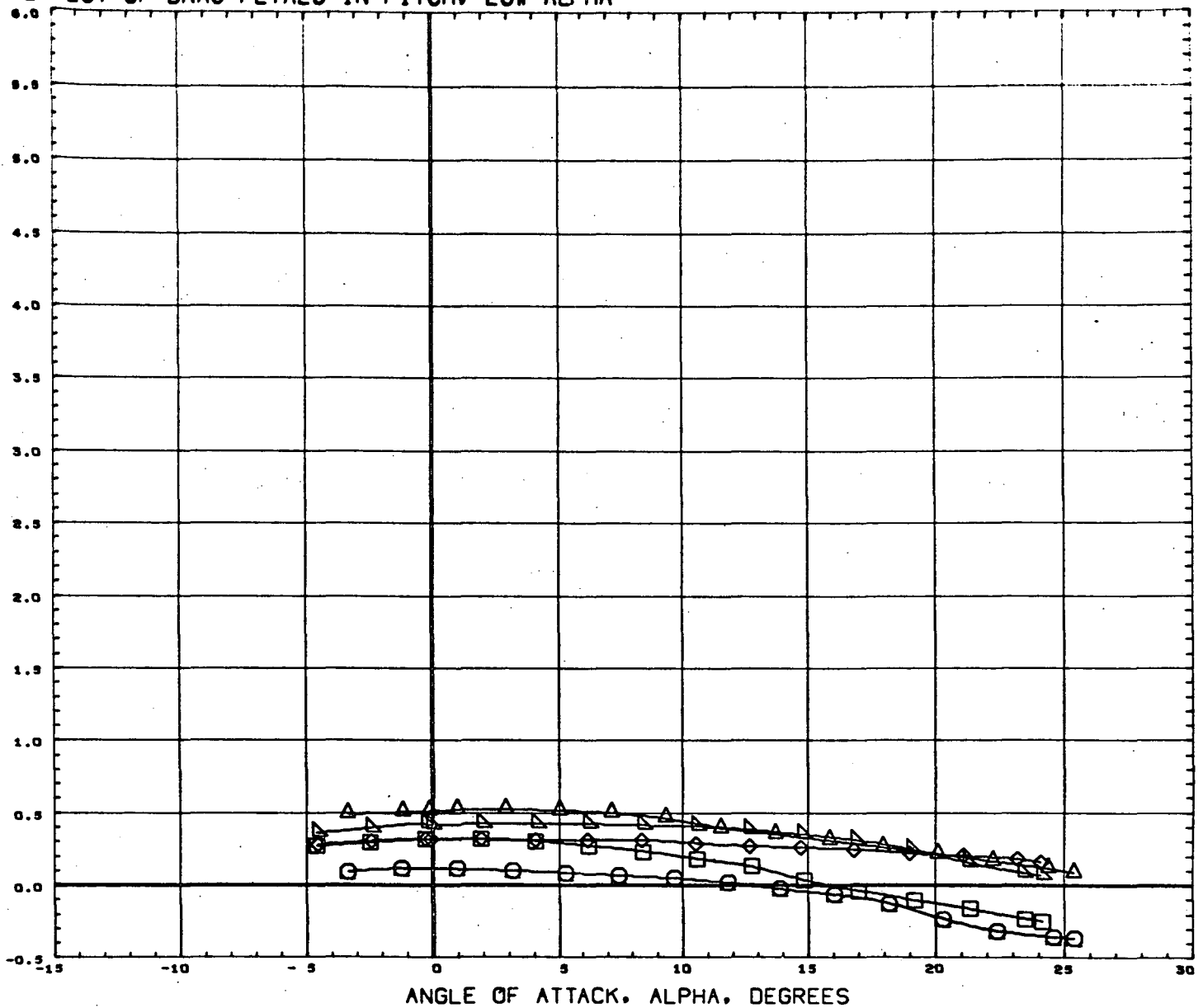
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(RD8381)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
(RD8351)	BTWT 1282/BSWT 557 PR-FED BR8 85S3D4.5V6	0.000	0.000	XMRF	0.6000 LBODY
(RD8371)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	YMRF	0.0000 INCHES
				ZMRF	0.0000 INCHES
				SCALE	0.8699 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(R08551)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.5V6F
(R08381)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.7V6
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.7V6

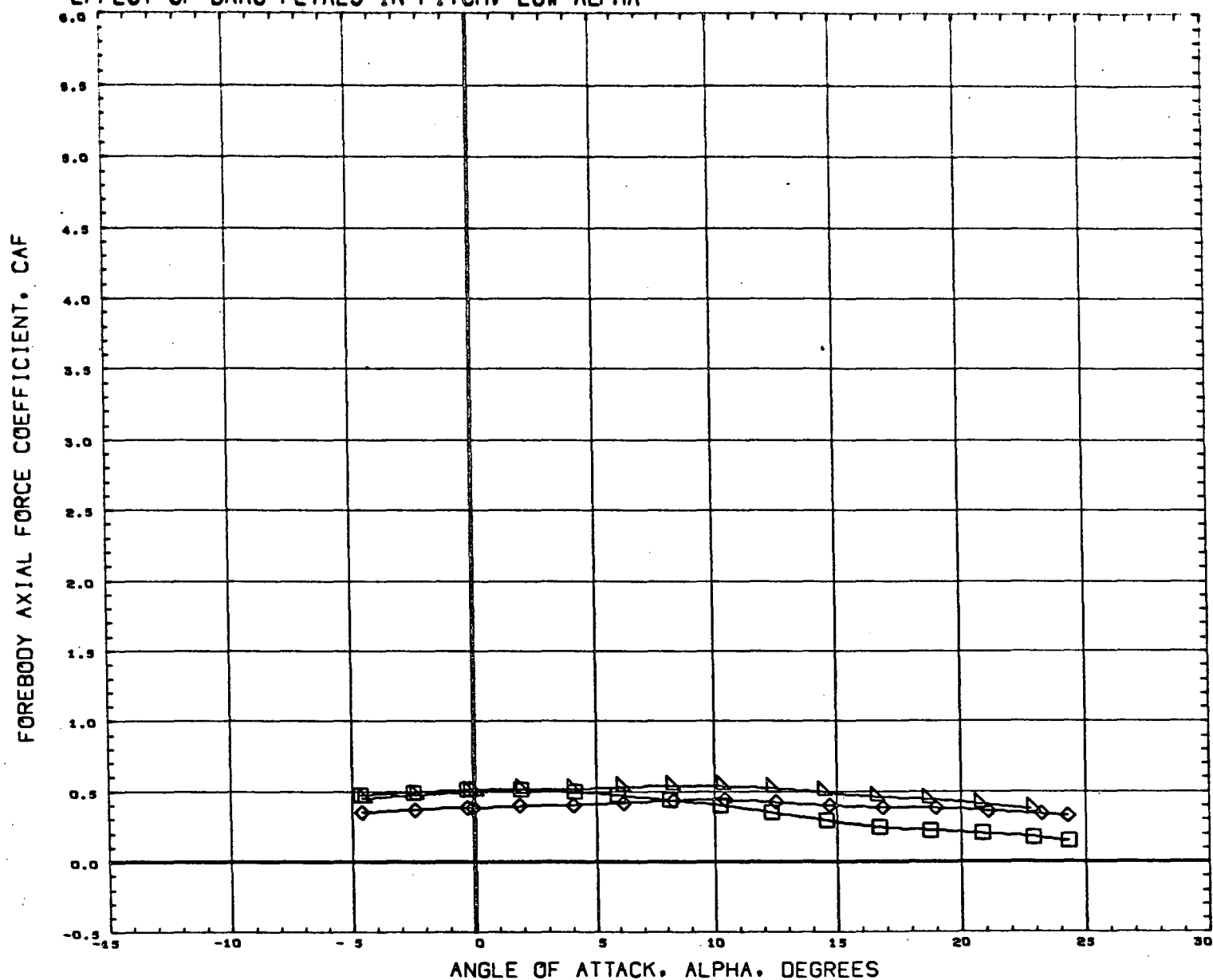
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	50 IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(WD8301)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8351)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(RD8381)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.7V6	0.000	0.000	BREF	14.6830 INCHES
(RD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000	XMRP	0.6000 LBODY
(RD8371)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.7V6	0.000	0.000	YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.6899 PERCENT

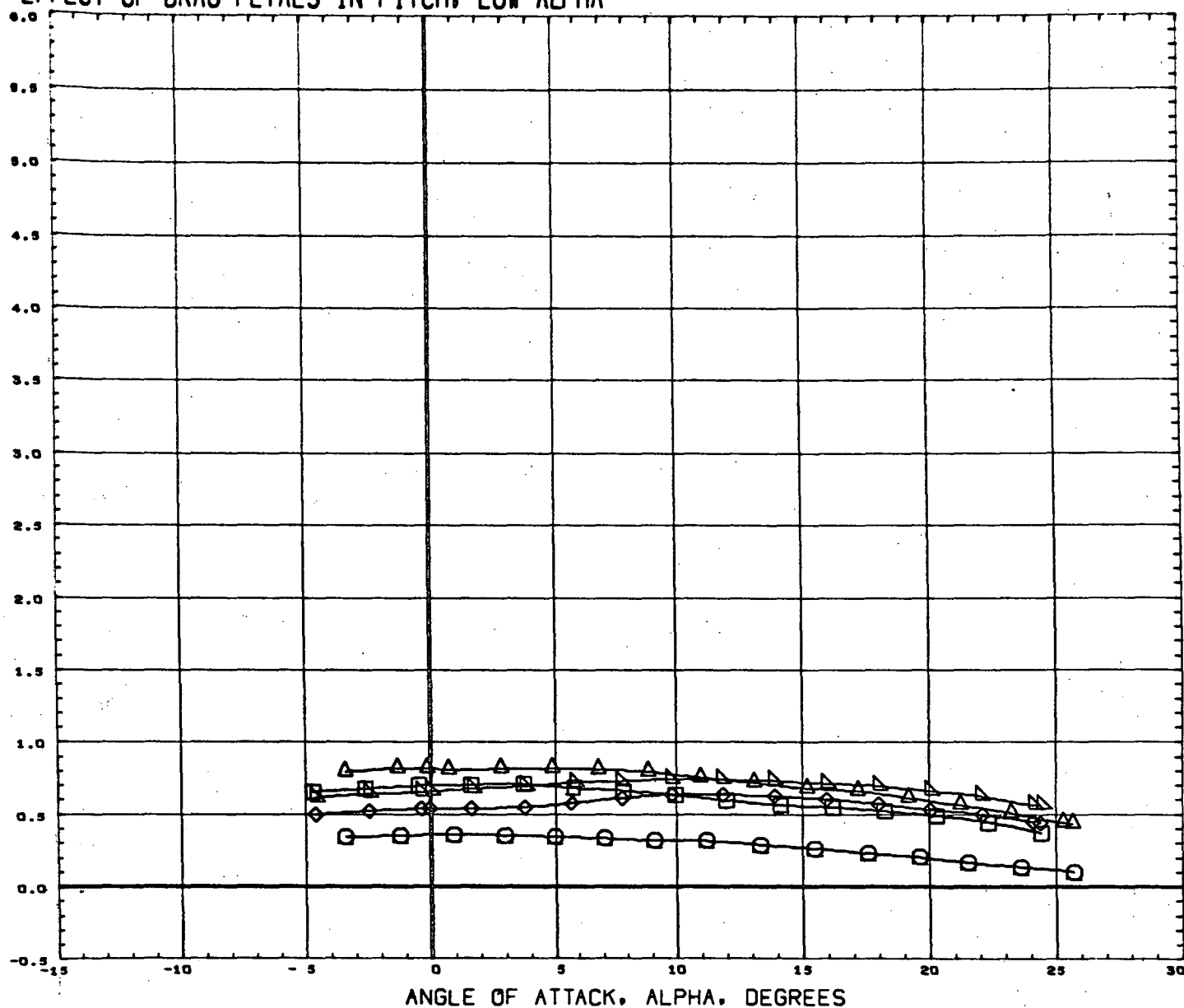
MACH .80

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08501)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F
(R08551)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D1.5V6F
(R08381)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D1.7V6
(R08351)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D4.5V6
(R08371)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D4.7V6

BETA DELTAV

0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION

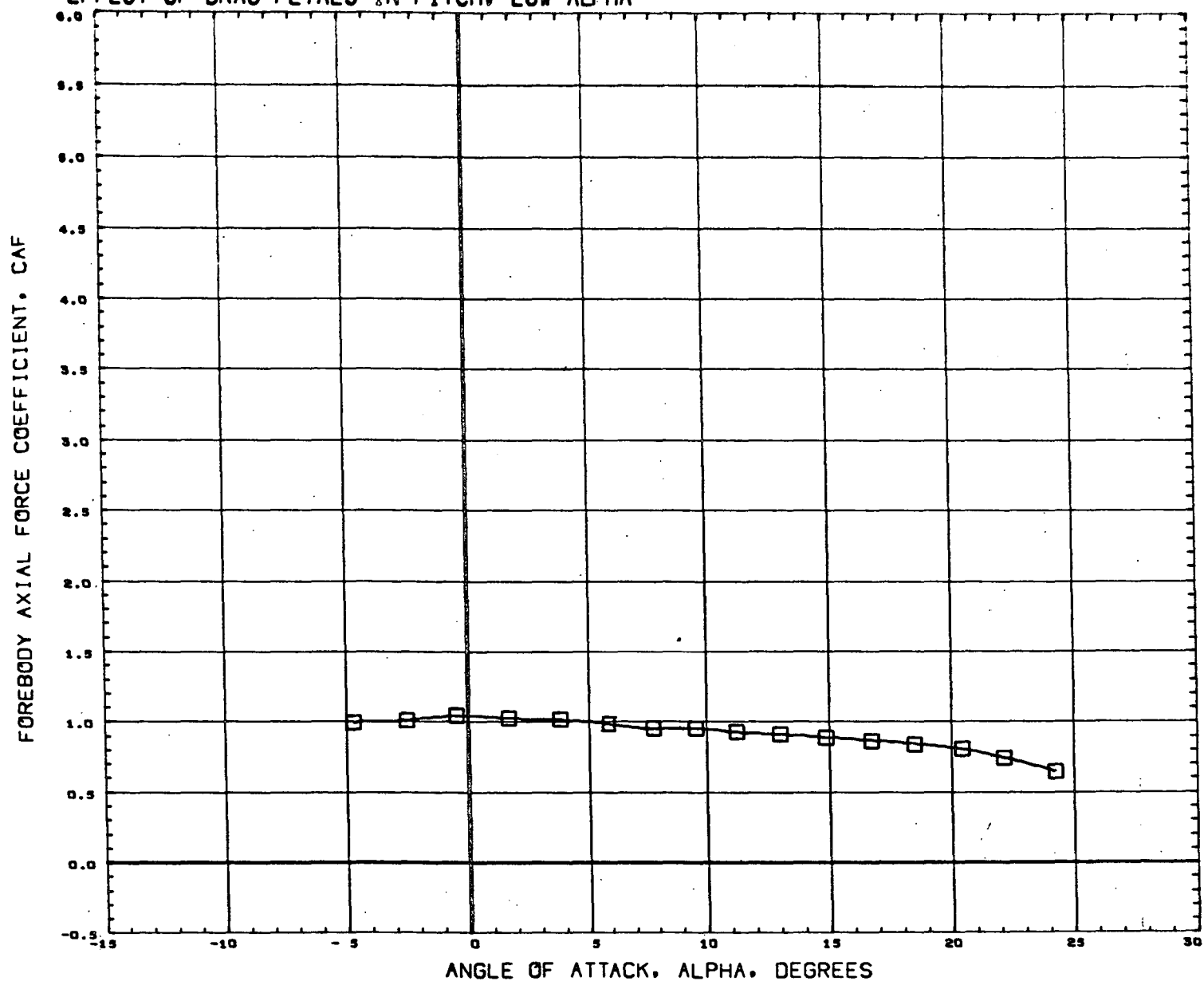
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

.90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1292/BSWT 357 PR-FED BRB B533D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

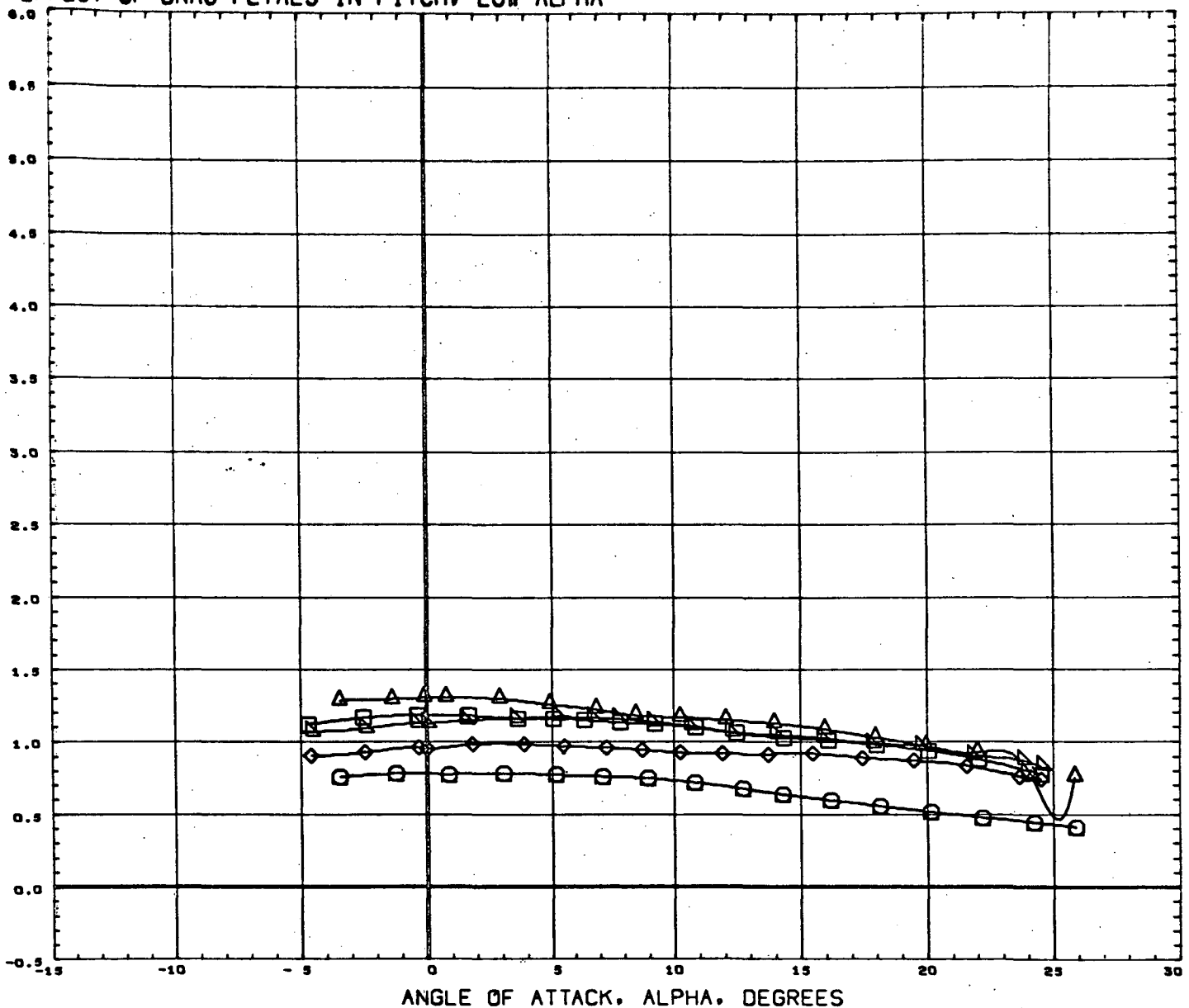
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(RD8551)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6F
(RD8581)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.7V6
(RD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6
(RD8371)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.7V6

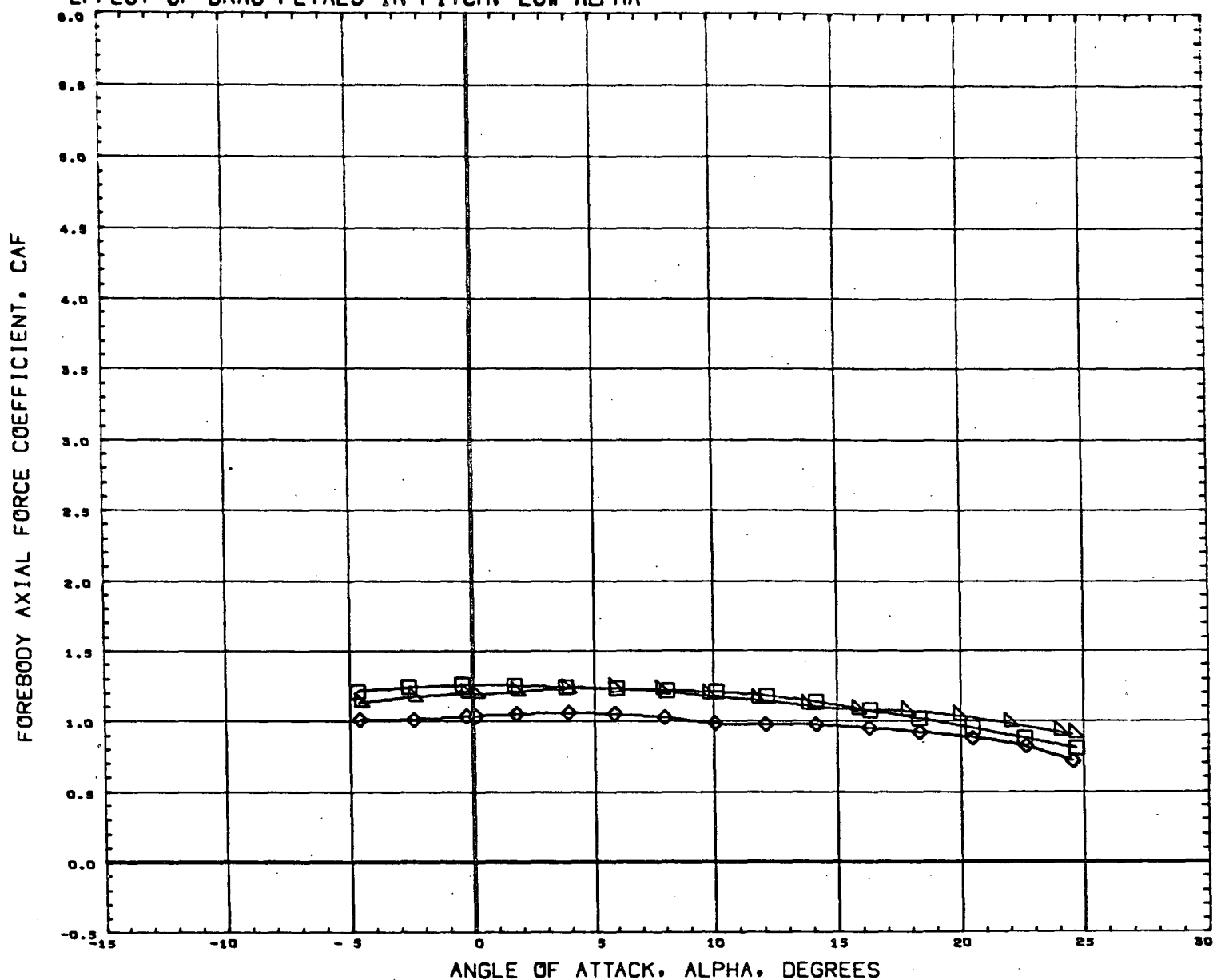
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(RD8361)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D1.7V6	0.000	0.000	BREF	14.6830 INCHES
(RD8351)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000	XMRP	0.6000 LBODY
(RD8371)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D4.7V6	0.000	0.000	YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.6899 PERCENT

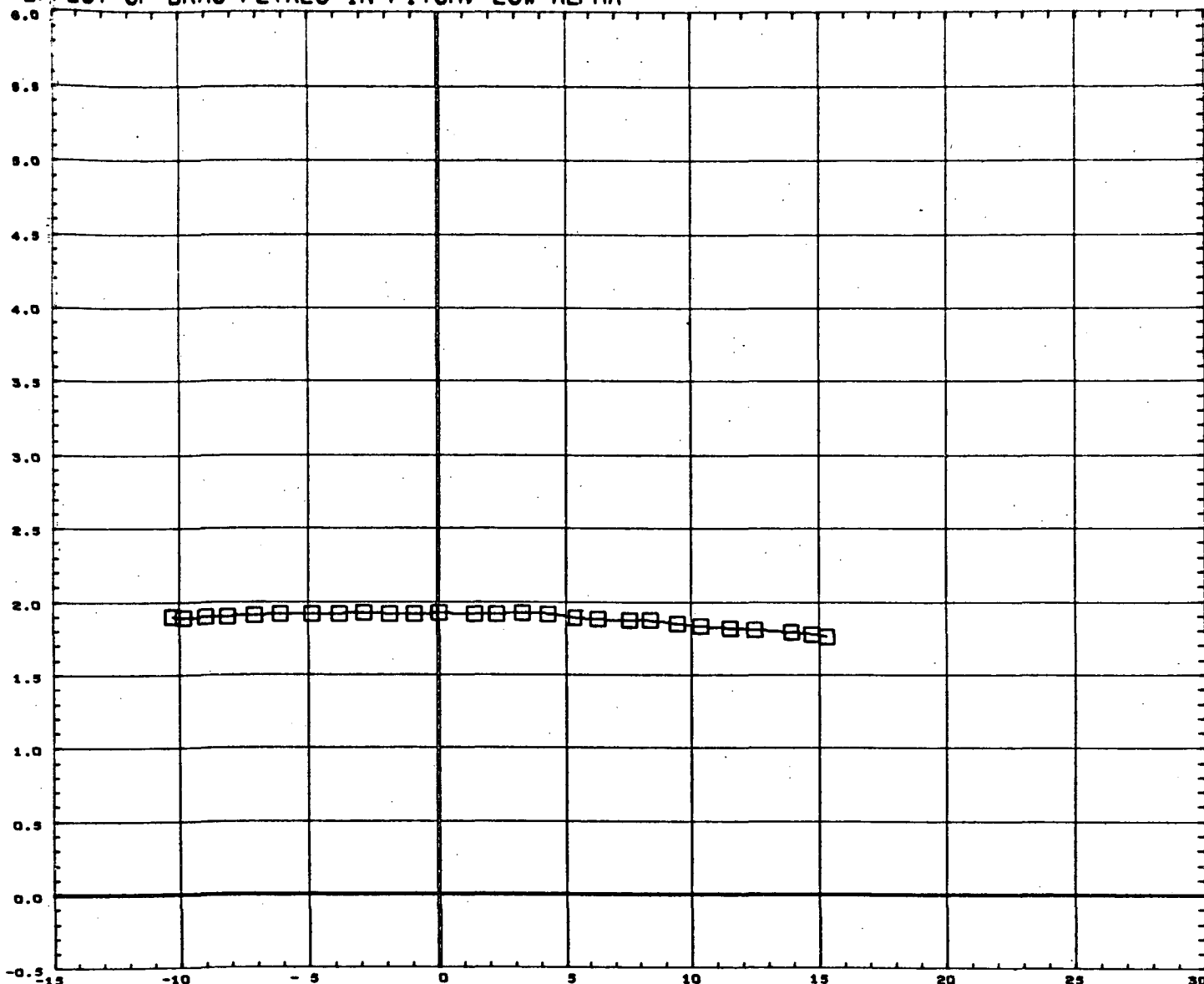
MACH

1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

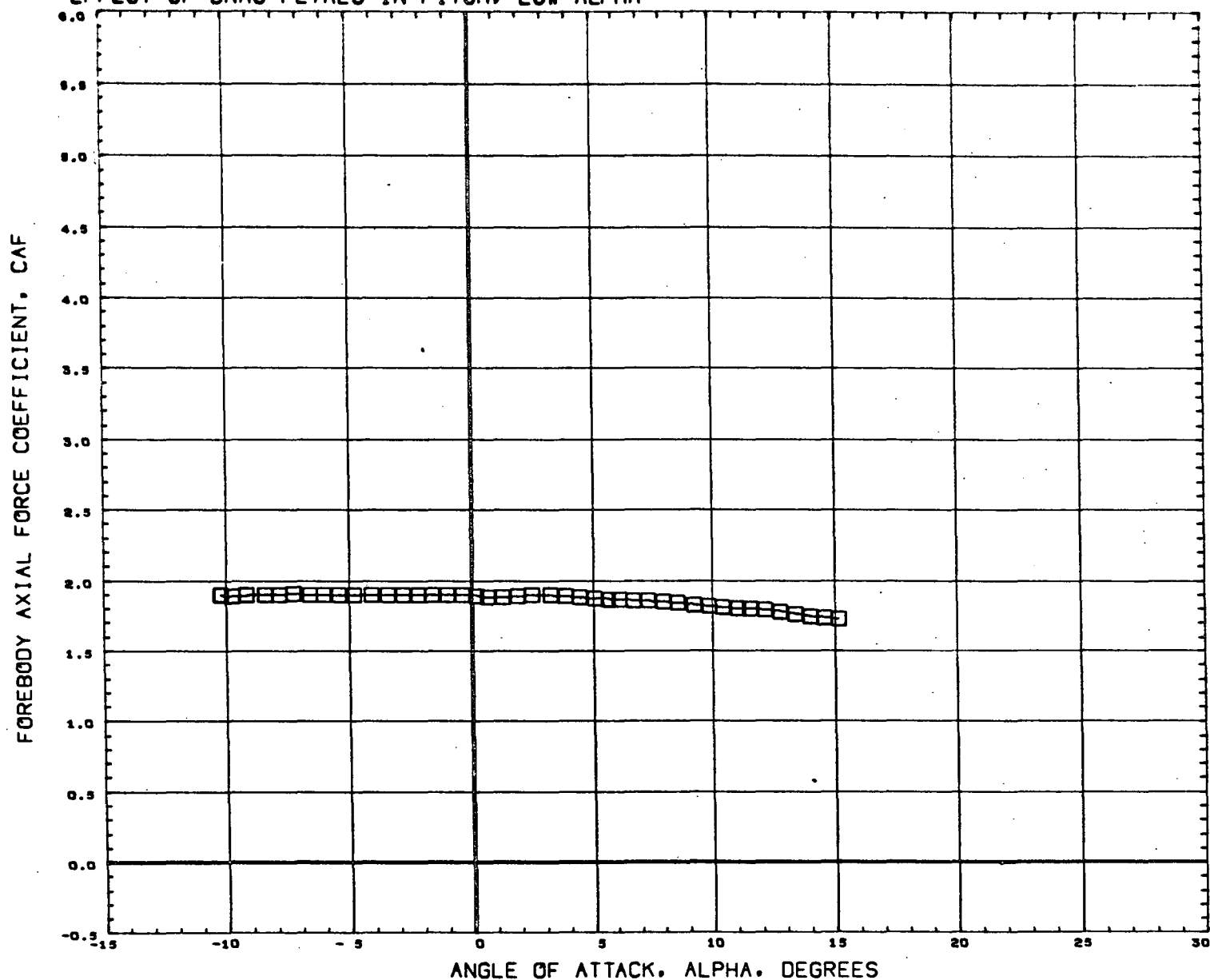
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08301)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08391)	BTWT 1282/BSWT 557 PR-FED BRB 8553D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

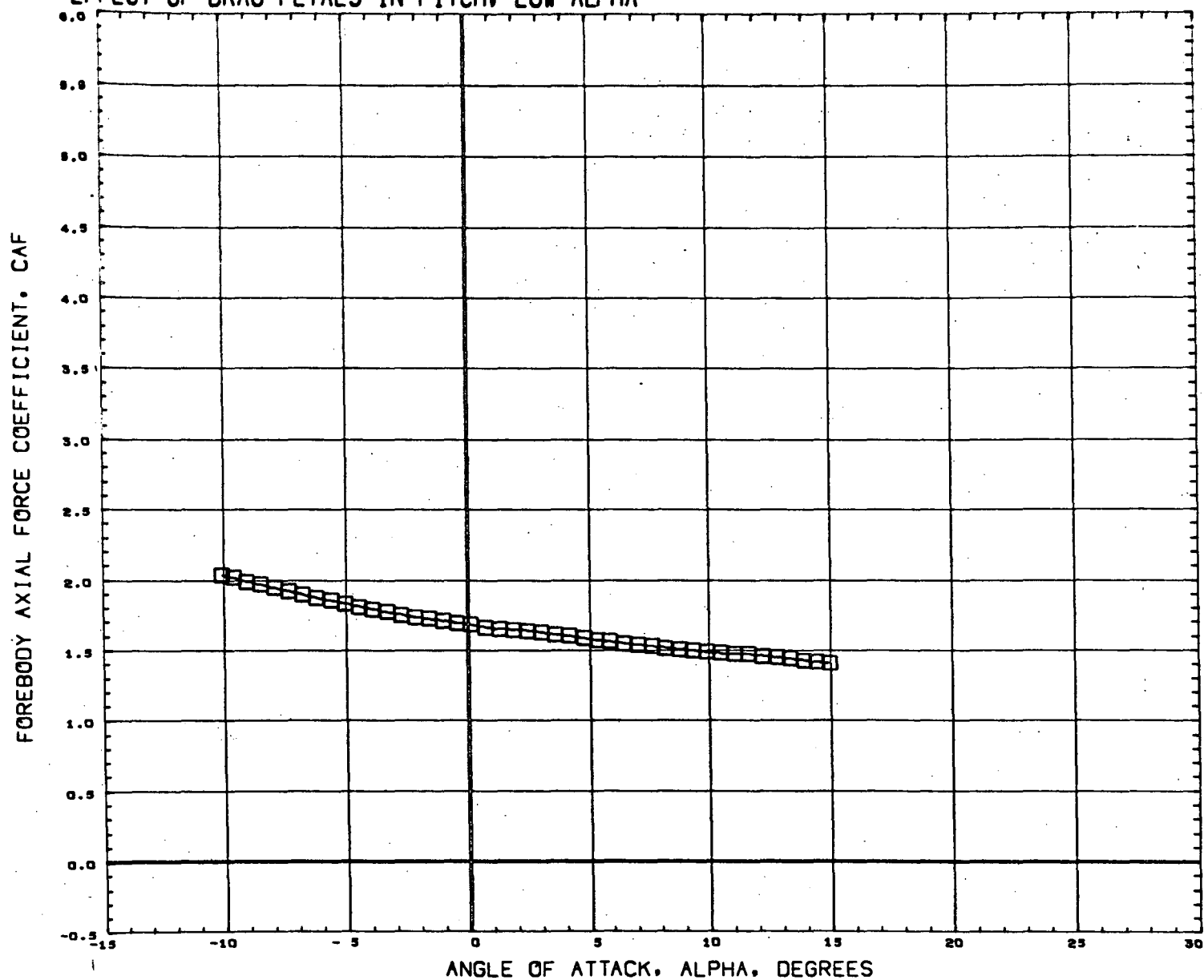
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 537 PR-FED BRB B5S3D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

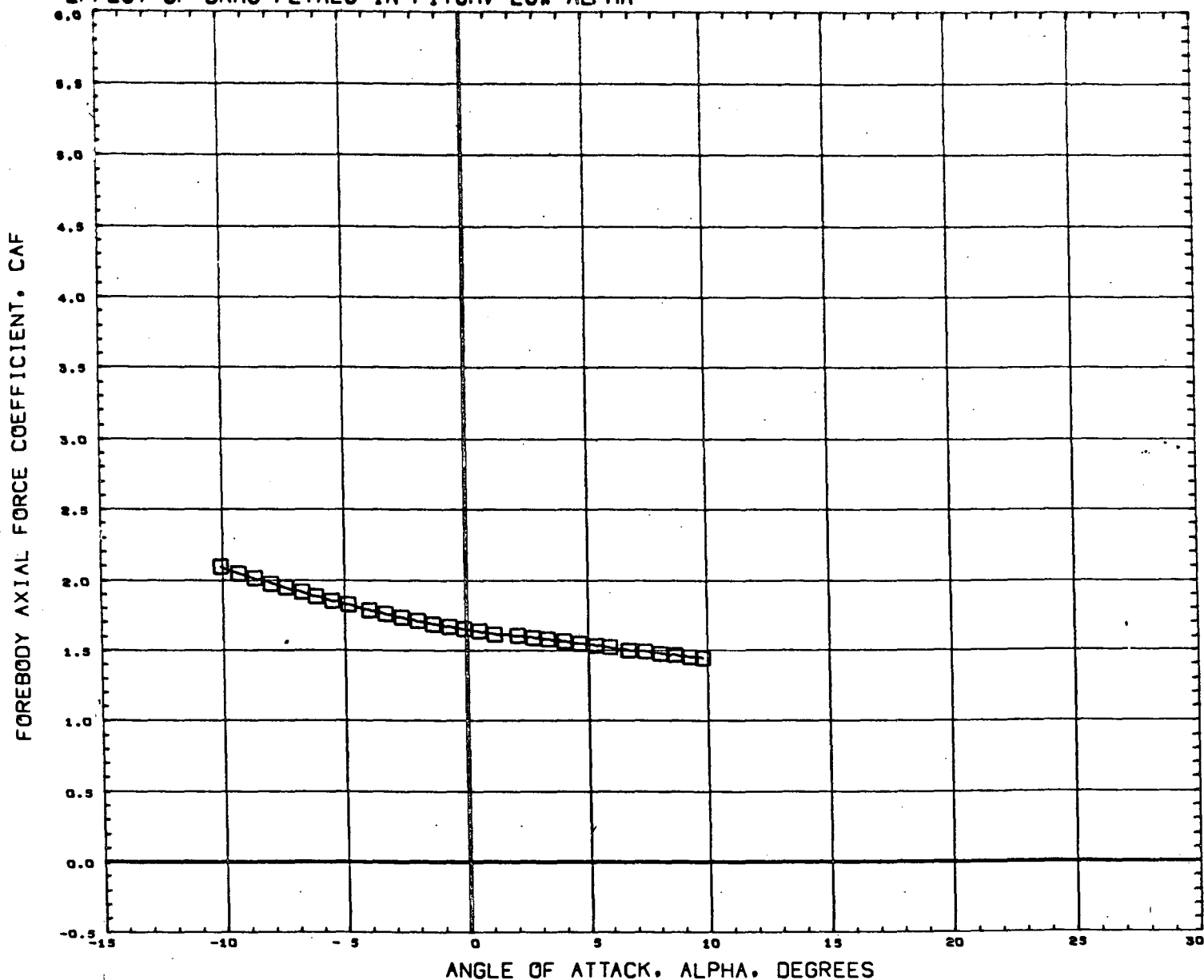
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6930	INCHES
BREF	14.6930	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8351)	8TWT 1282/BSWT 537 PR-FED BR8 85S3D4.5V6
(RD8371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

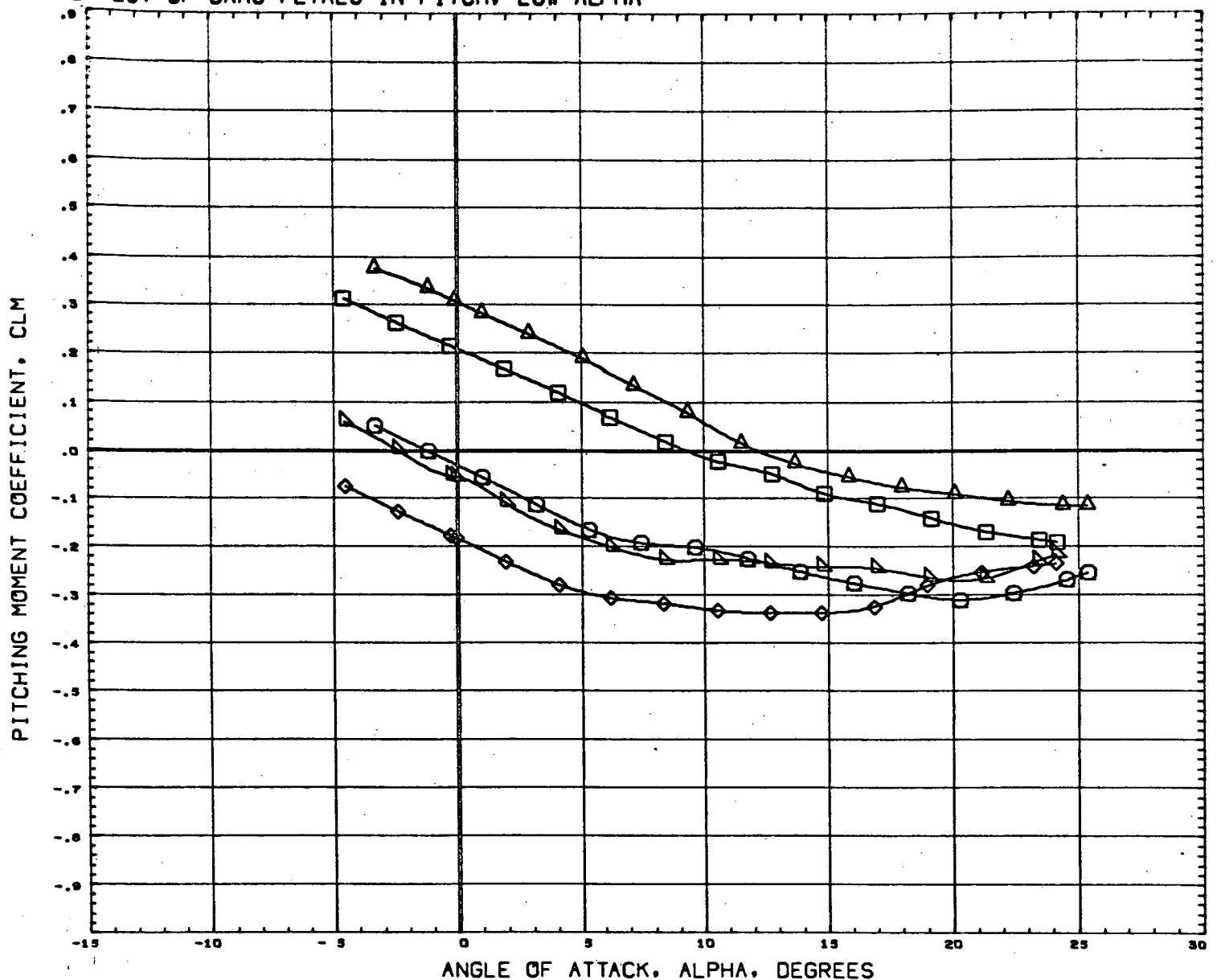
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

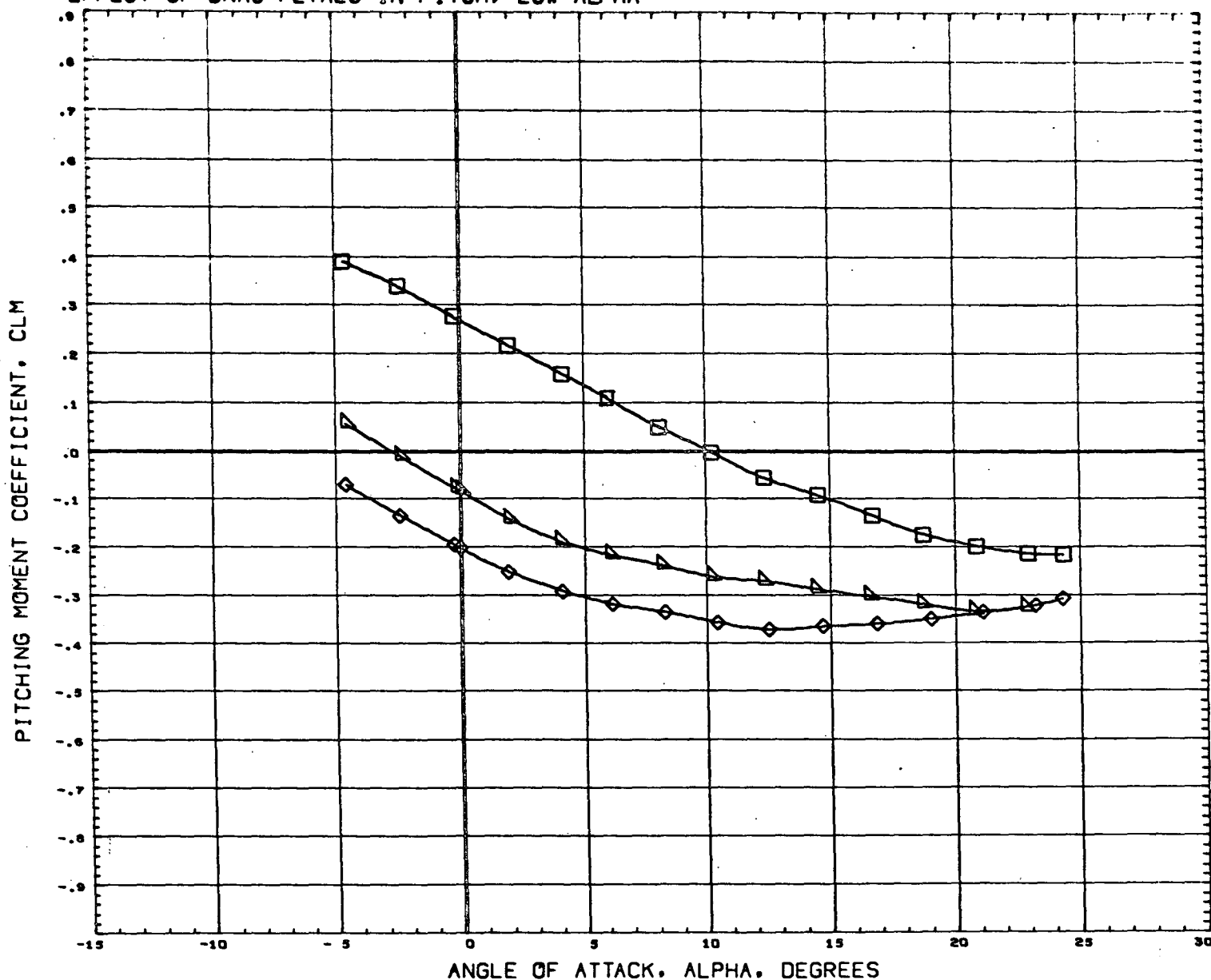


DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION		
(W08501)	CAGE	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000	SREF	9.7500	SQ. IN.
(R08551)		BTWT 1282/BSWT 557	PR-FED BRB	B5S3D1.5V6F	0.000	0.000	LREF	14.6830	INCHES
(R08361)		BTWT 1282/BSWT 557	PR-FED BRB	B5S3D1.7V6	0.000	0.000	BREF	14.6830	INCHES
(R08351)		BTWT 1282/BSWT 557	PR-FED BRB	B5S3D4.5V6	0.000	0.000	XMRP	0.6000	LBODY
(R08371)		BTWT 1282/BSWT 557	PR-FED BRB	B5S3D4.7V6	0.000	0.000	YMRP	0.0000	INCHES
							ZMRP	0.0000	INCHES
							SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8381)	BTWT 1282/85WT 557 PR-FED BRB 85S3D1.7V6
(RD8351)	BTWT 1282/85WT 557 PR-FED BRB 85S3D4.5V6
(RD8371)	BTWT 1282/85WT 557 PR-FED BRB 85S3D4.7V6

BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

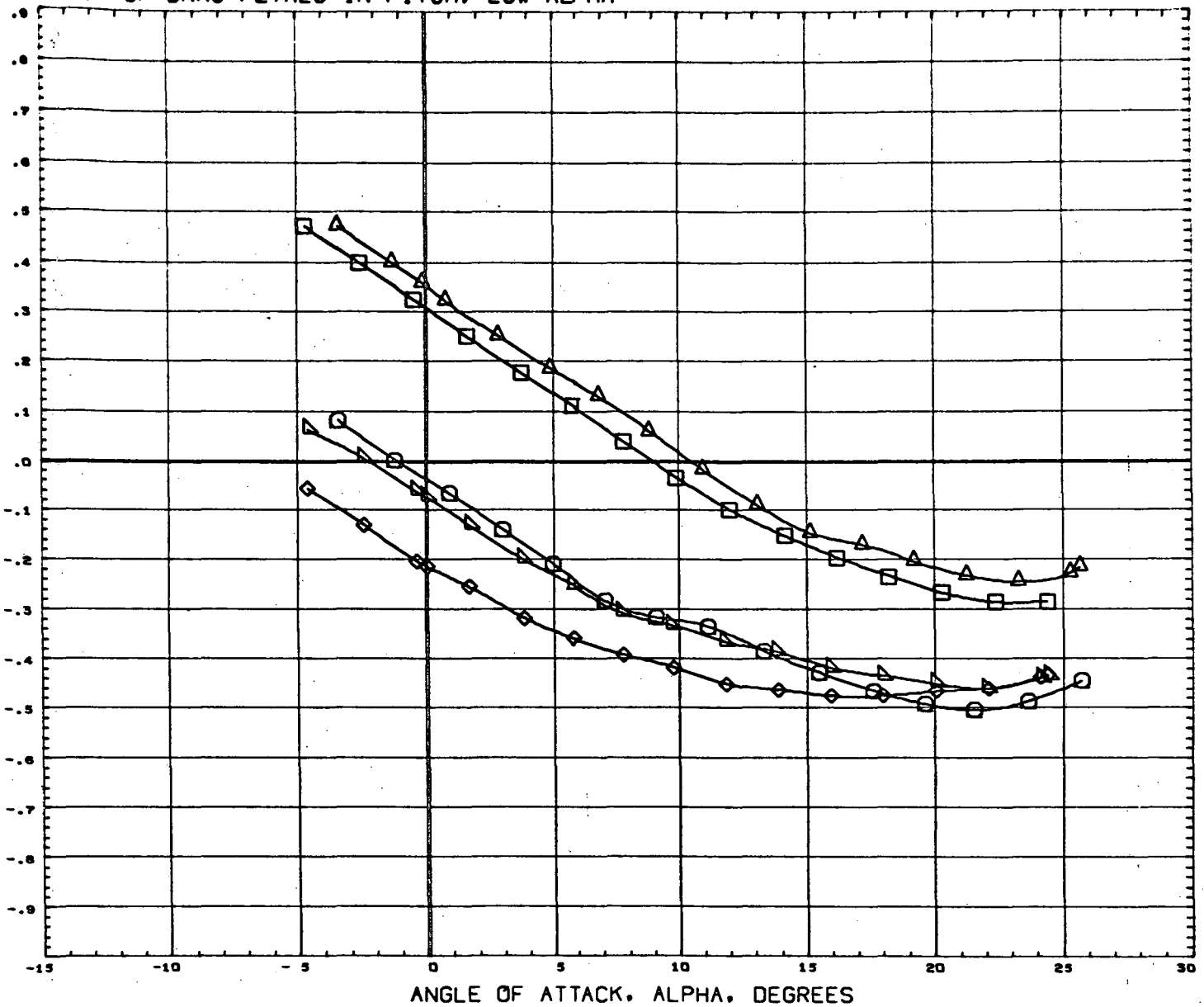
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .80

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM

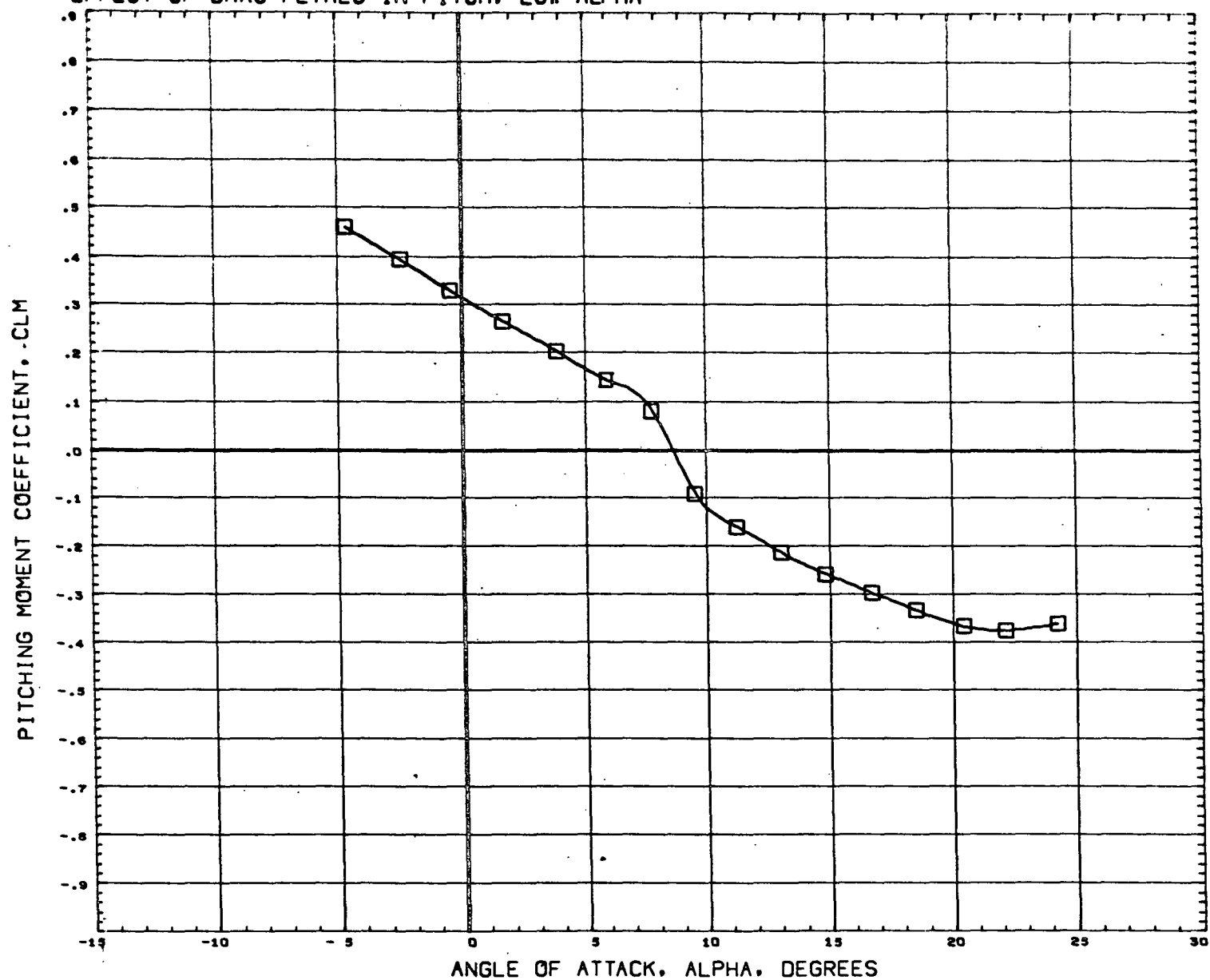


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(R08551)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.5V6F	0.000	0.000	LREF 14.6830 INCHES
(R08381)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.7V6	0.000	0.000	BREF 14.6830 INCHES
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000	XMRP 0.6000 LBODY
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.7V6	0.000	0.000	YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB B55304.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

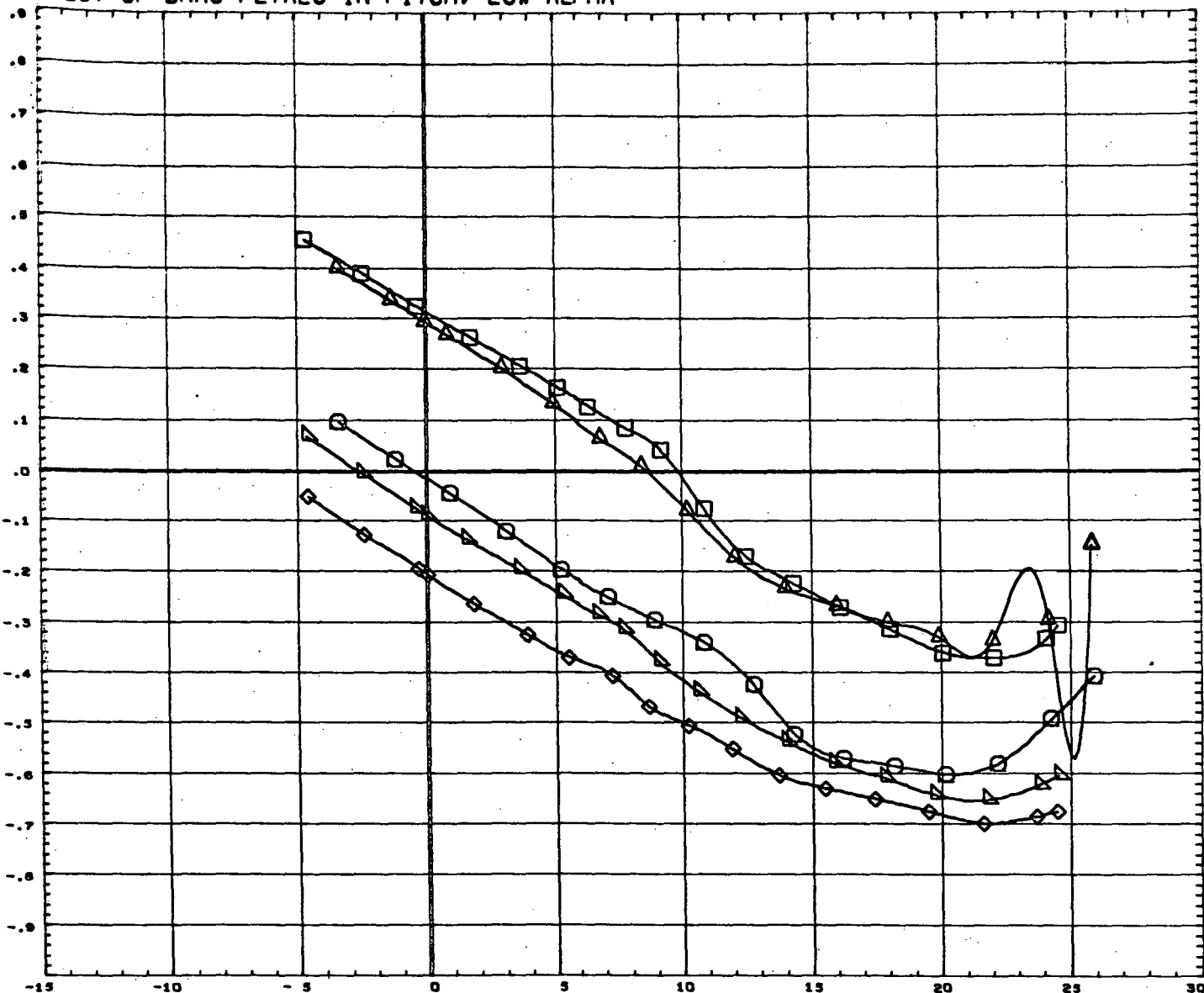
REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCNT

MACH 1.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8501)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6F
(RD8551)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D1.5V6F
(RD8581)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D1.7V6
(RD8591)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D4.5V6
(RD8571)	BTWT 1282/BSWT 557	PR-FED BRB	85S3D4.7V6

BETA DELTAV

0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION

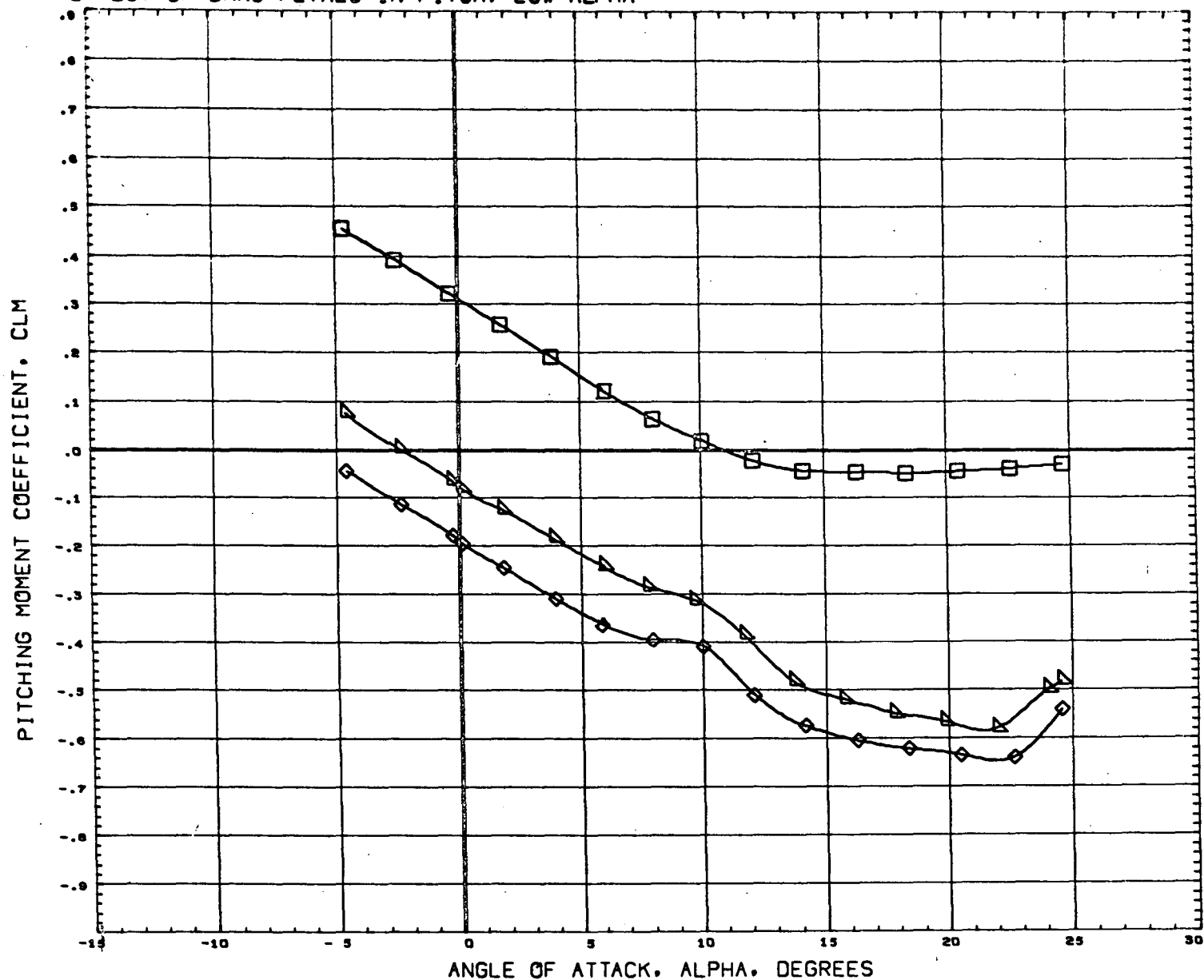
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08361)	BTWT 1262/BSWT 557 PR-FED BRB 8553D1.7V6
(R08351)	BTWT 1262/BSWT 557 PR-FED BRB 8553D4.5V6
(R08371)	BTWT 1262/BSWT 557 PR-FED BRB 8553D4.7V6

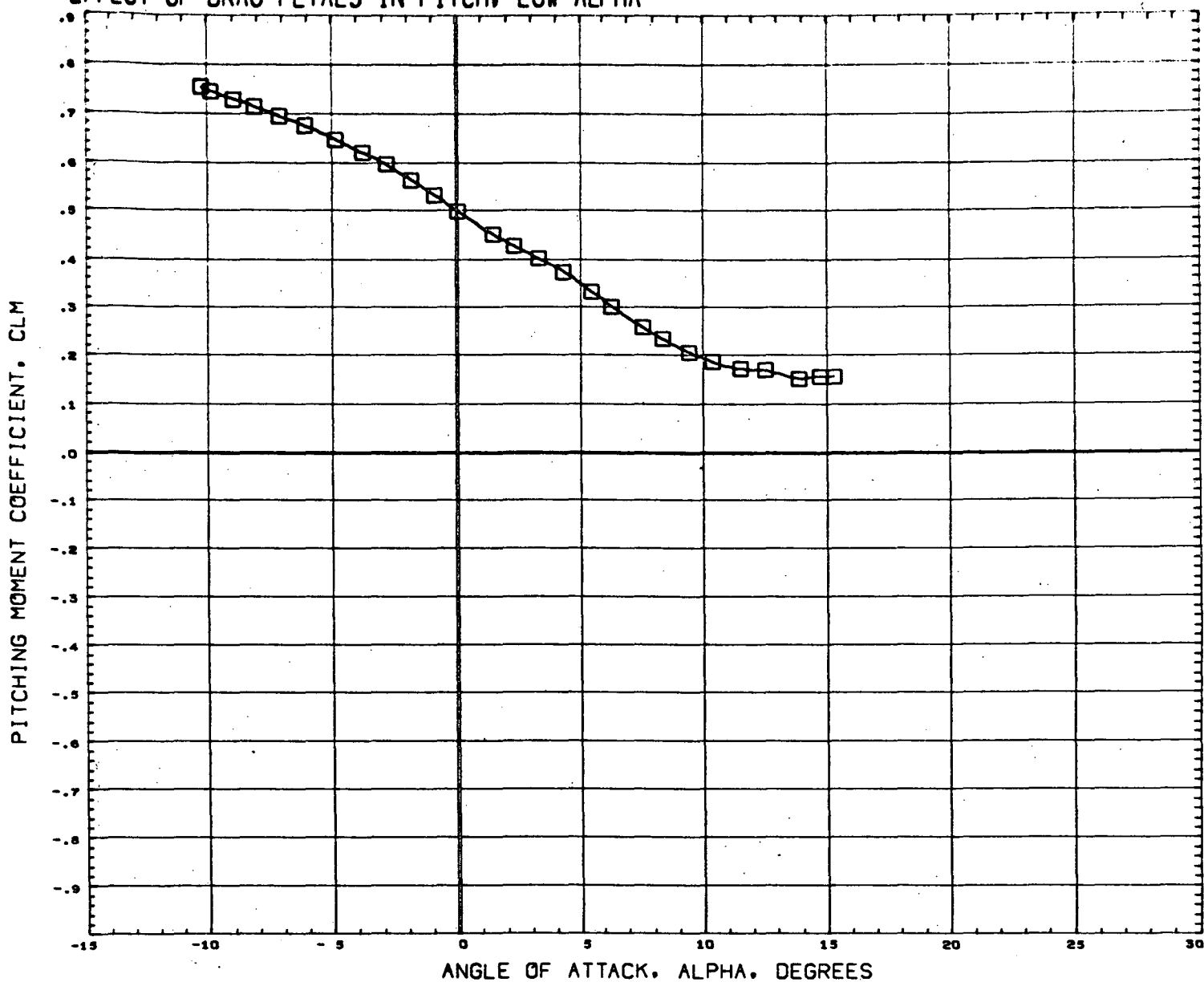
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XM RP	0.6000 LBODY
YM RP	0.0000 INCHES
ZM RP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH 1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB B3S3D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

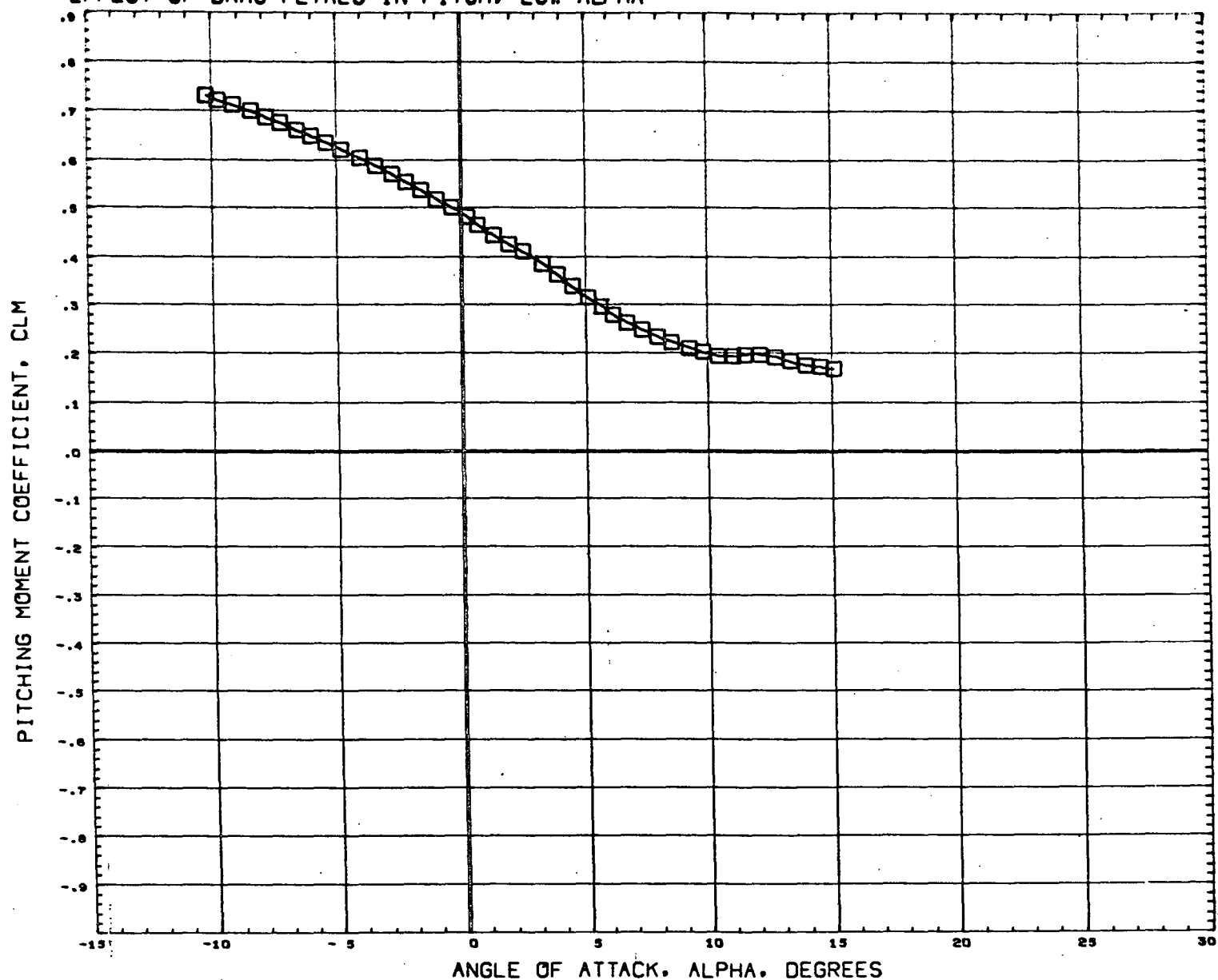
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



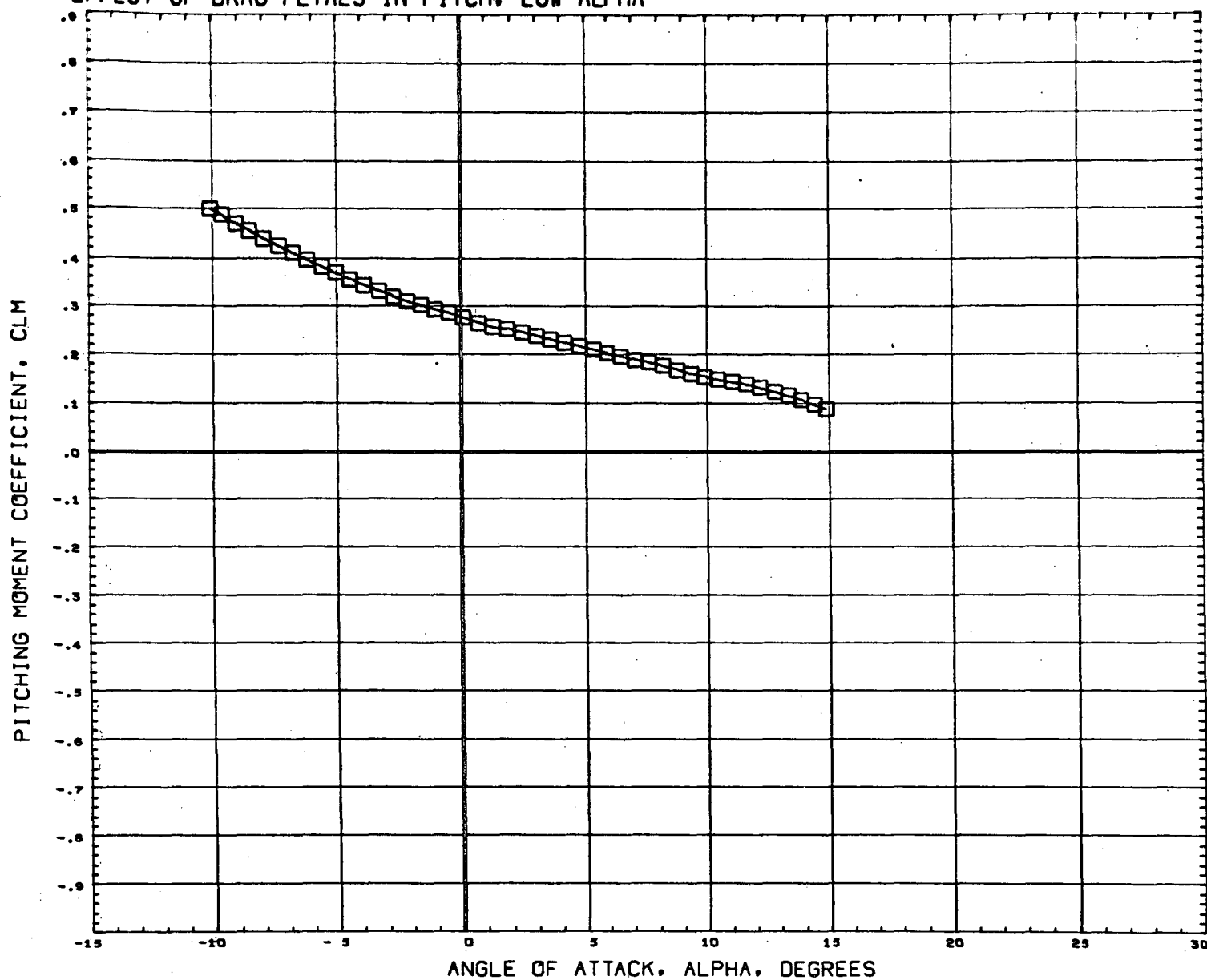
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(RD8381)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
(RD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S304.5V6	0.000	0.000	XMRP	0.6000 LBODY
(RD8371)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



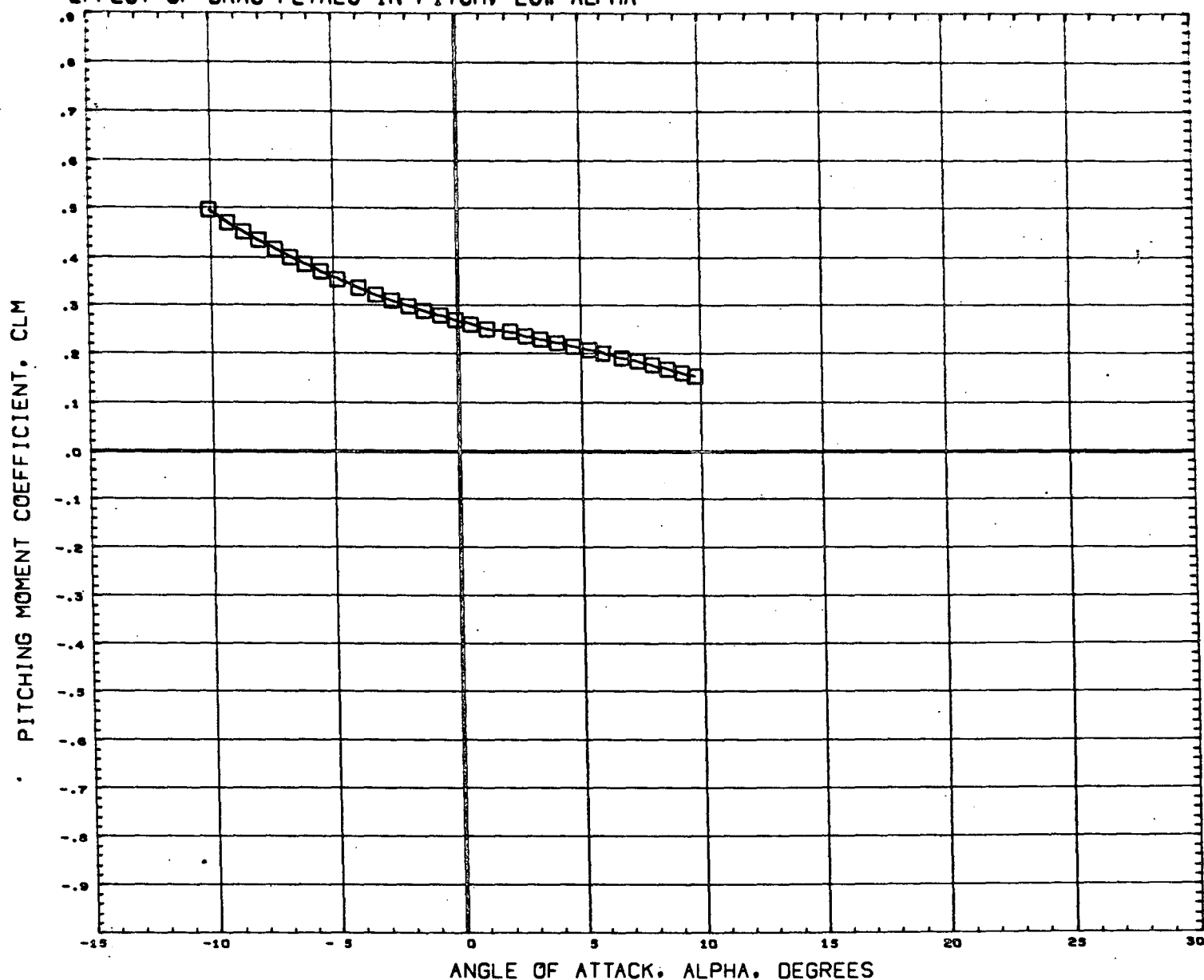
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(RD8551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(RD8381)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(RD8351)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D4.5V6	0.000	0.000
(RD8371)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08531)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08581)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6
(R08571)	DATA NOT AVAILABLE FOR ALL CONDITIONS

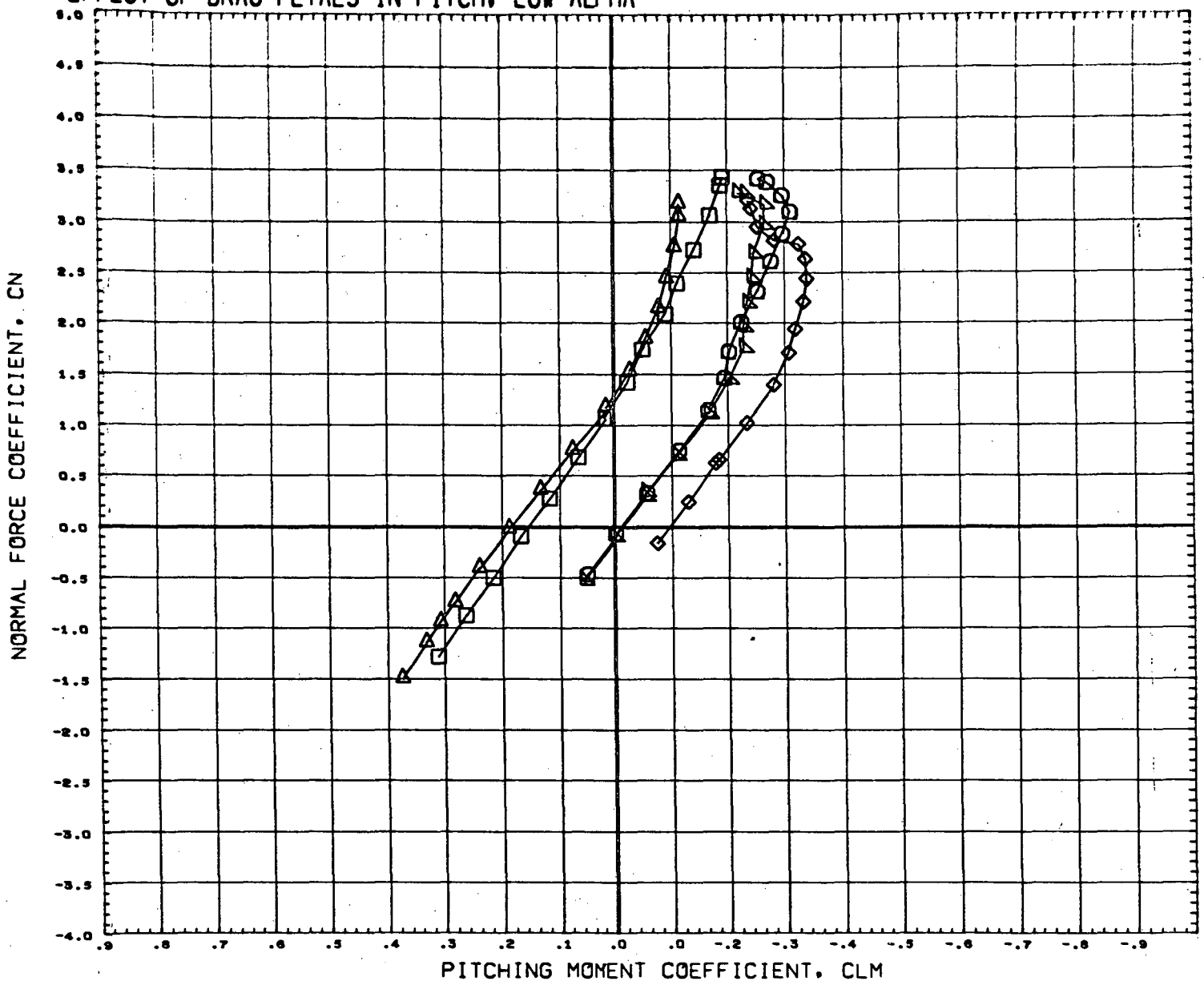
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

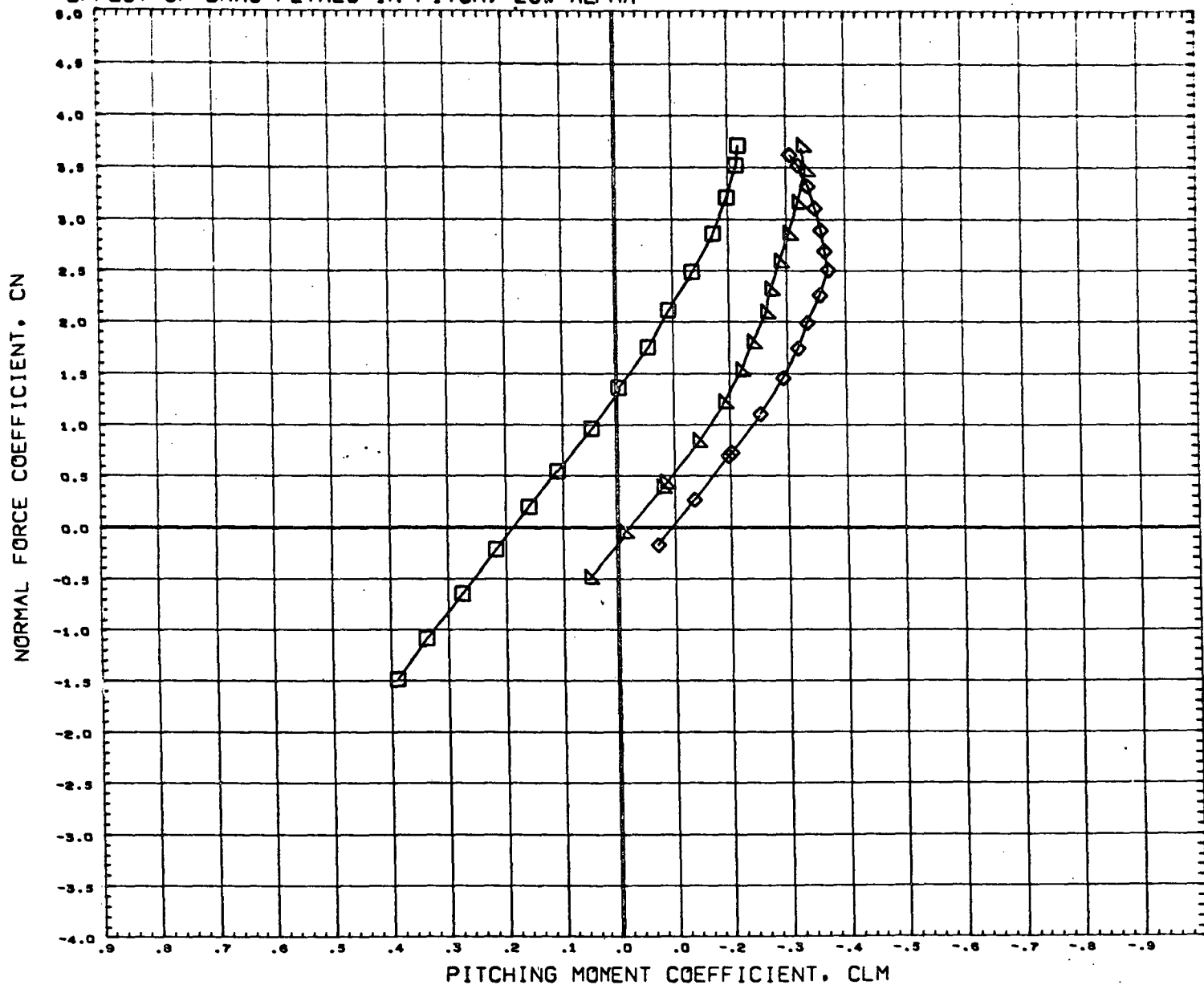


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(R08551)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.5V6F	0.000	0.000	LREF 14.6830 INCHES
(R08381)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.7V6	0.000	0.000	BREF 14.6830 INCHES
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000	XMRP 0.6000 LBODY
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.7V6	0.000	0.000	YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

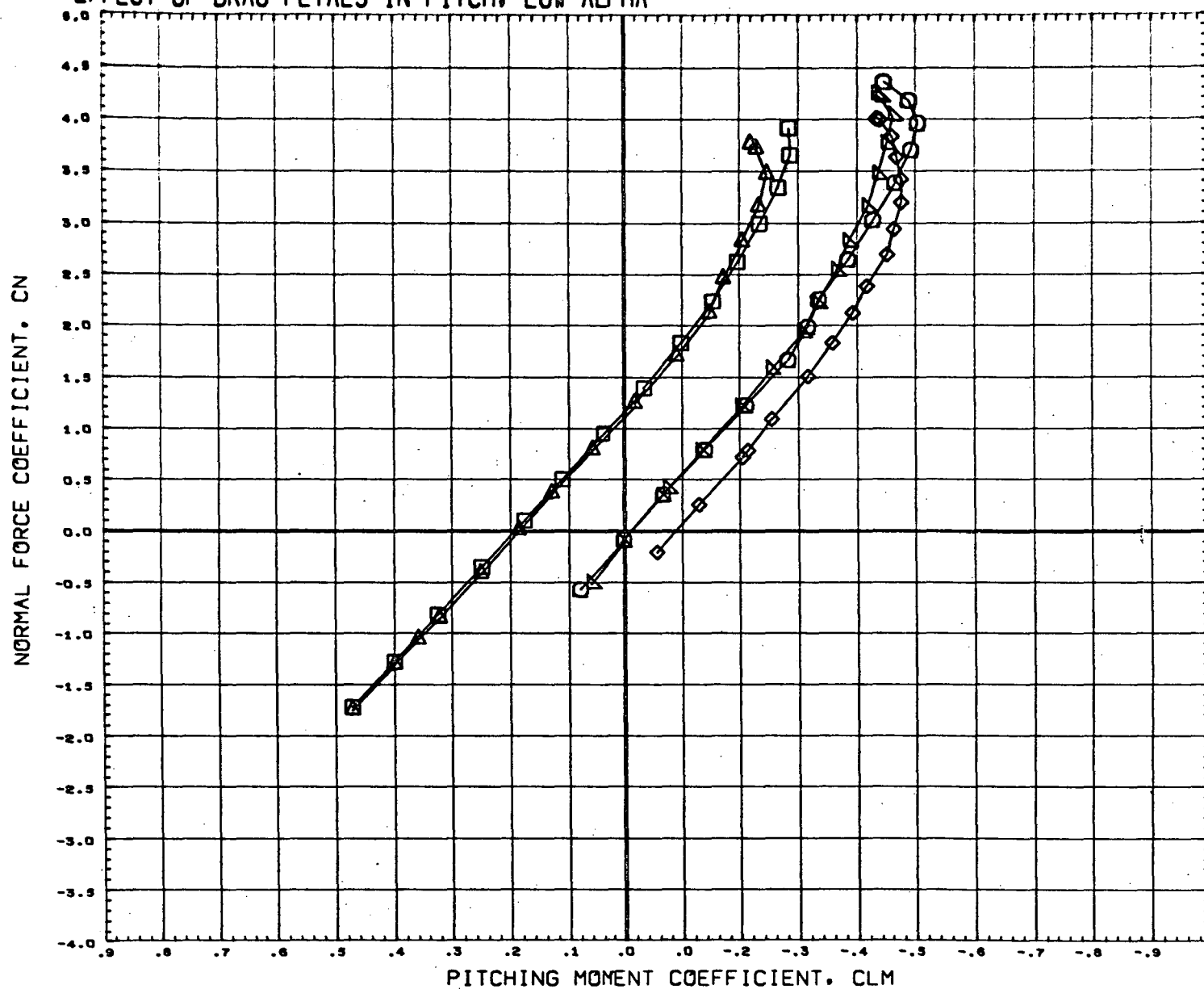
MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

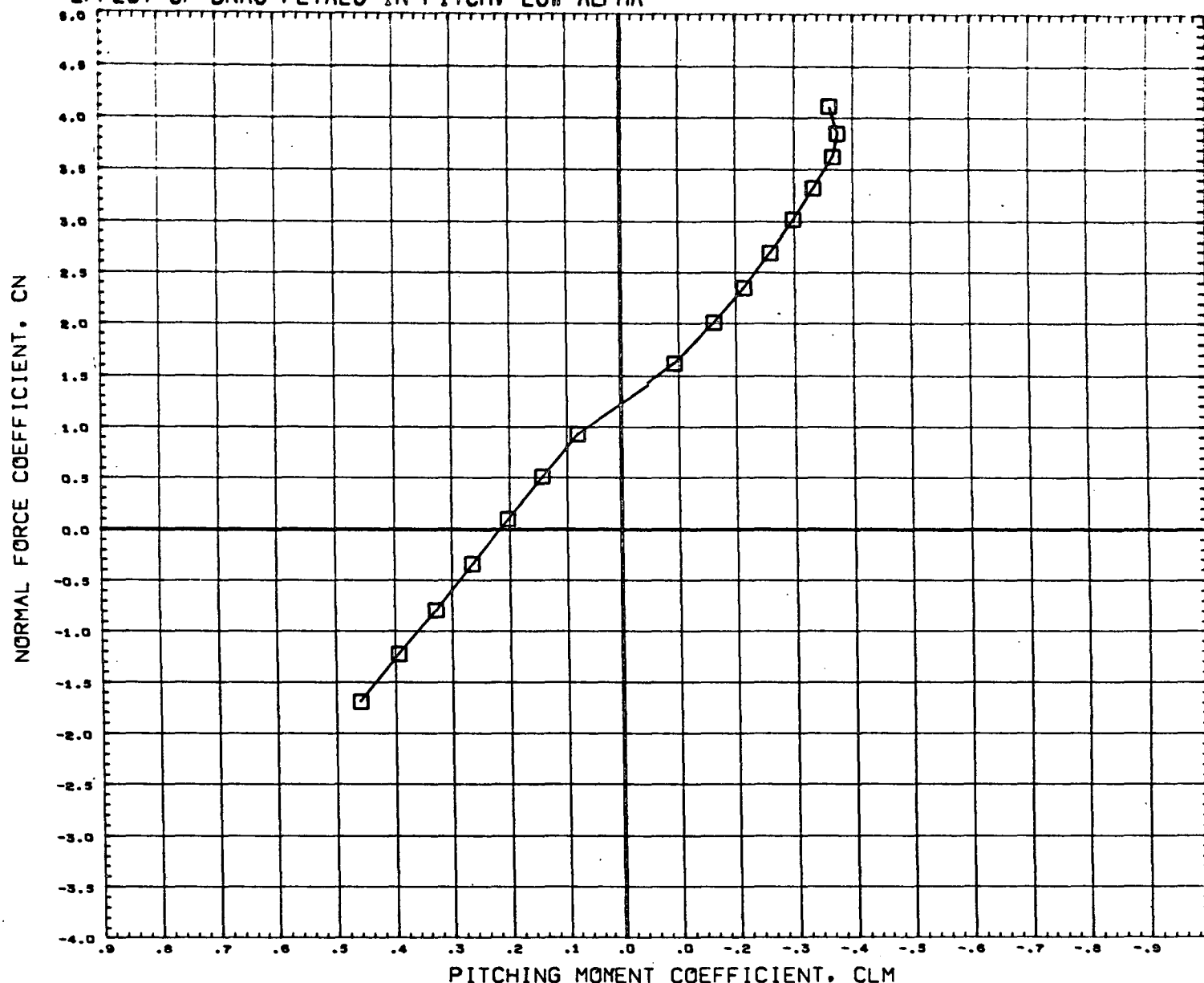


DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION	
(W08501)	BTWT 1202/BSWT 557	PR-FED BRB	B5S3V6F		0.000	0.000	SREF	9.7500 SQ. IN.
(RD8551)	BTWT 1202/BSWT 557	PR-FED BRB	B5S3D1.5V6F		0.000	0.000	LREF	14.6830 INCHES
(RD8381)	BTWT 1202/BSWT 557	PR-FED BRB	B5S3D1.7V6		0.000	0.000	BREF	14.6830 INCHES
(RD8351)	BTWT 1202/BSWT 557	PR-FED BRB	B5S3D4.5V6		0.000	0.000	XMRP	0.6000 LBODY
(RD8371)	BTWT 1202/BSWT 557	PR-FED BRB	B5S3D4.7V6		0.000	0.000	YMRP	0.0000 INCHES
							ZMRP	0.0000 INCHES
							SCALE	0.8899 PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

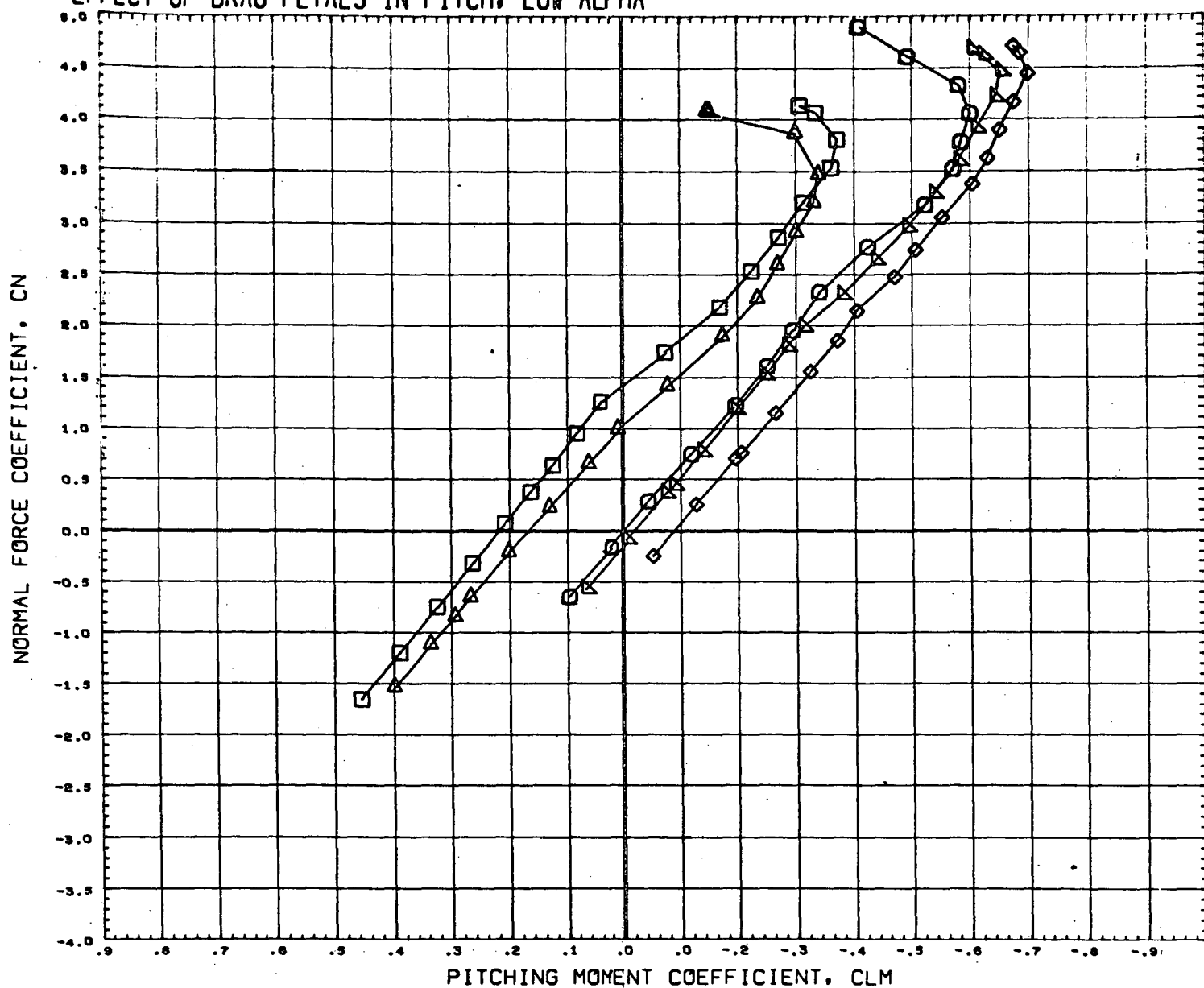
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBOY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



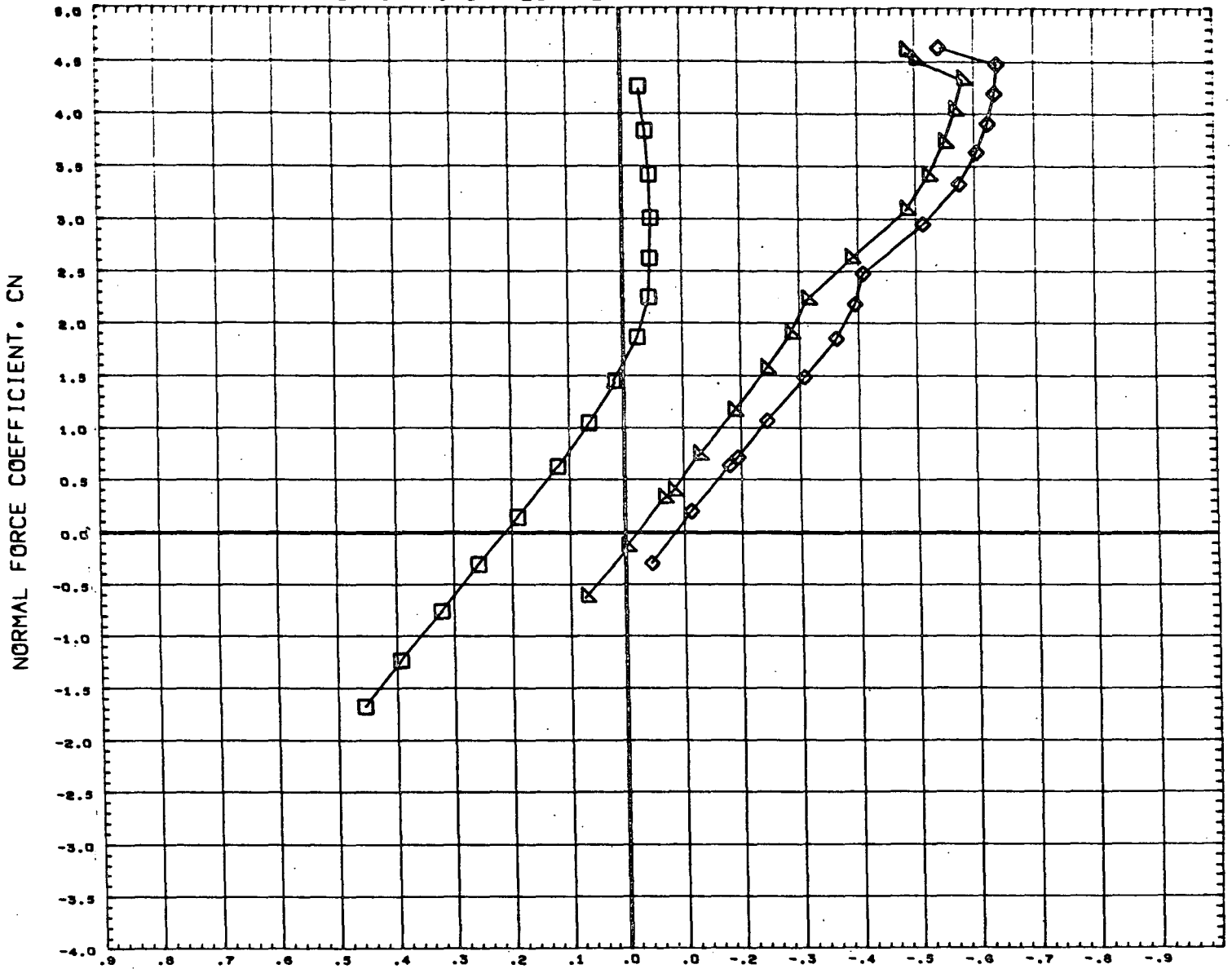
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(W05501)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(R05551)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D1.5V6F	0.000	0.000	LREF 14.6830 INCHES
(R05361)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D1.7V6	0.000	0.000	BREF 14.6830 INCHES
(R05351)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000	XMRP 0.6000 LBODY
(R05371)	BTWT 1202/BSWT 557 PR-FED BRB B5S3D4.7V6	0.000	0.000	YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH

1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



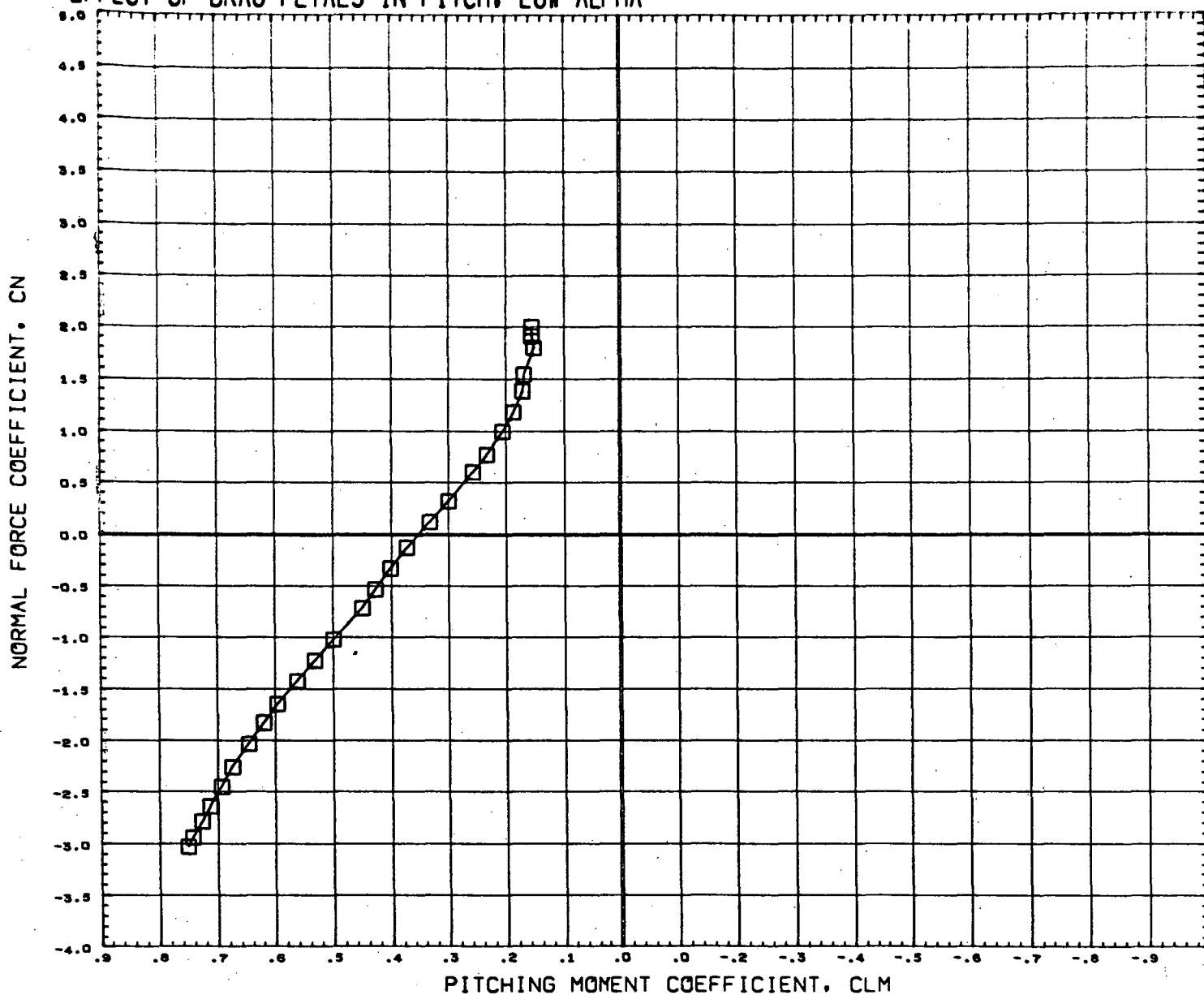
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(R08361)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.7V6	0.000	0.000	BREF	14.6830 INCHES
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000	YMRP	0.0000 LBODY
(R08371)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.7V6	0.000	0.000	YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8699 PERCNT

MACH 1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1262/BSWT 557 PR-FED BRB BSS3D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

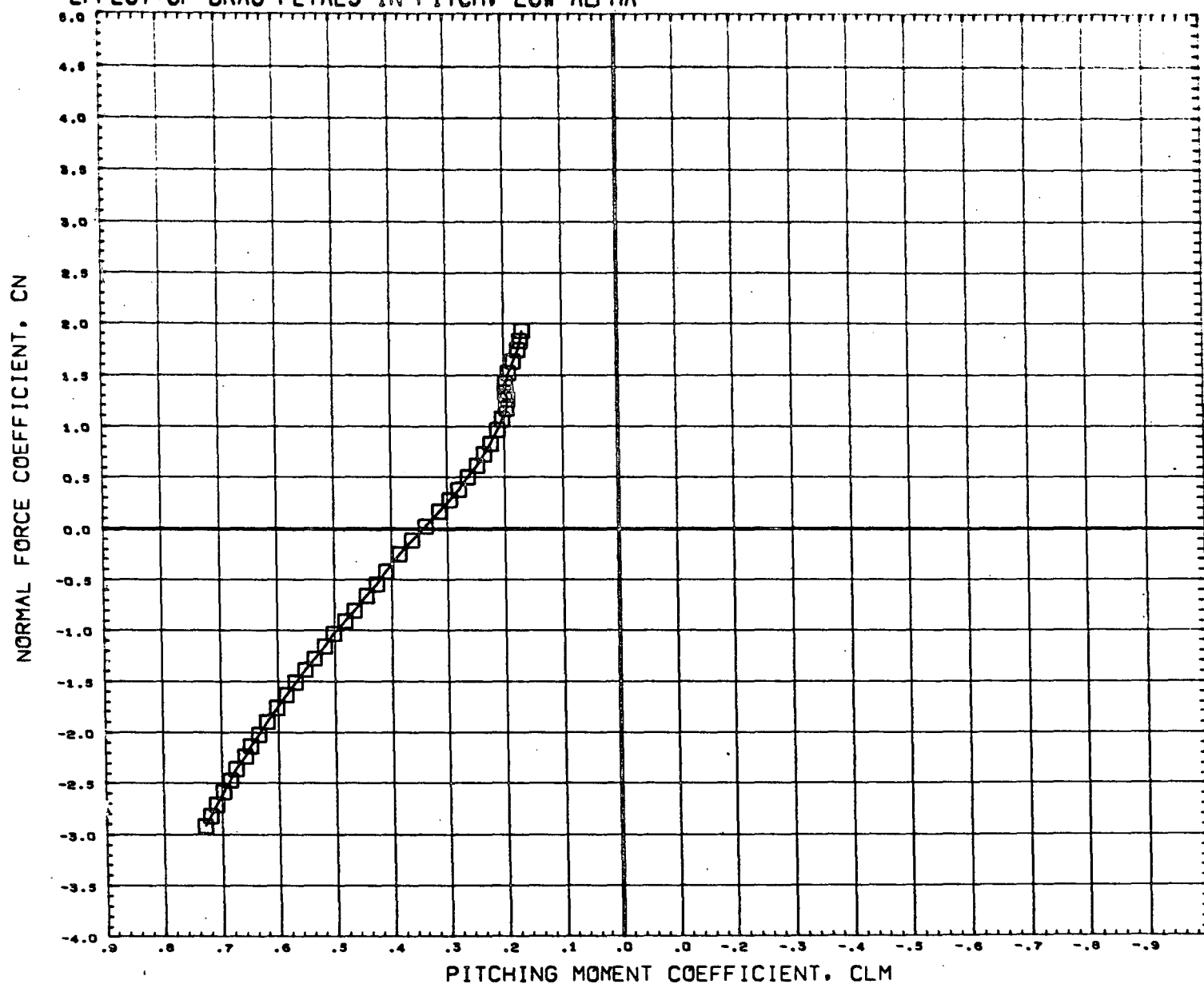
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LB/FT
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA DELTAV

0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08381)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

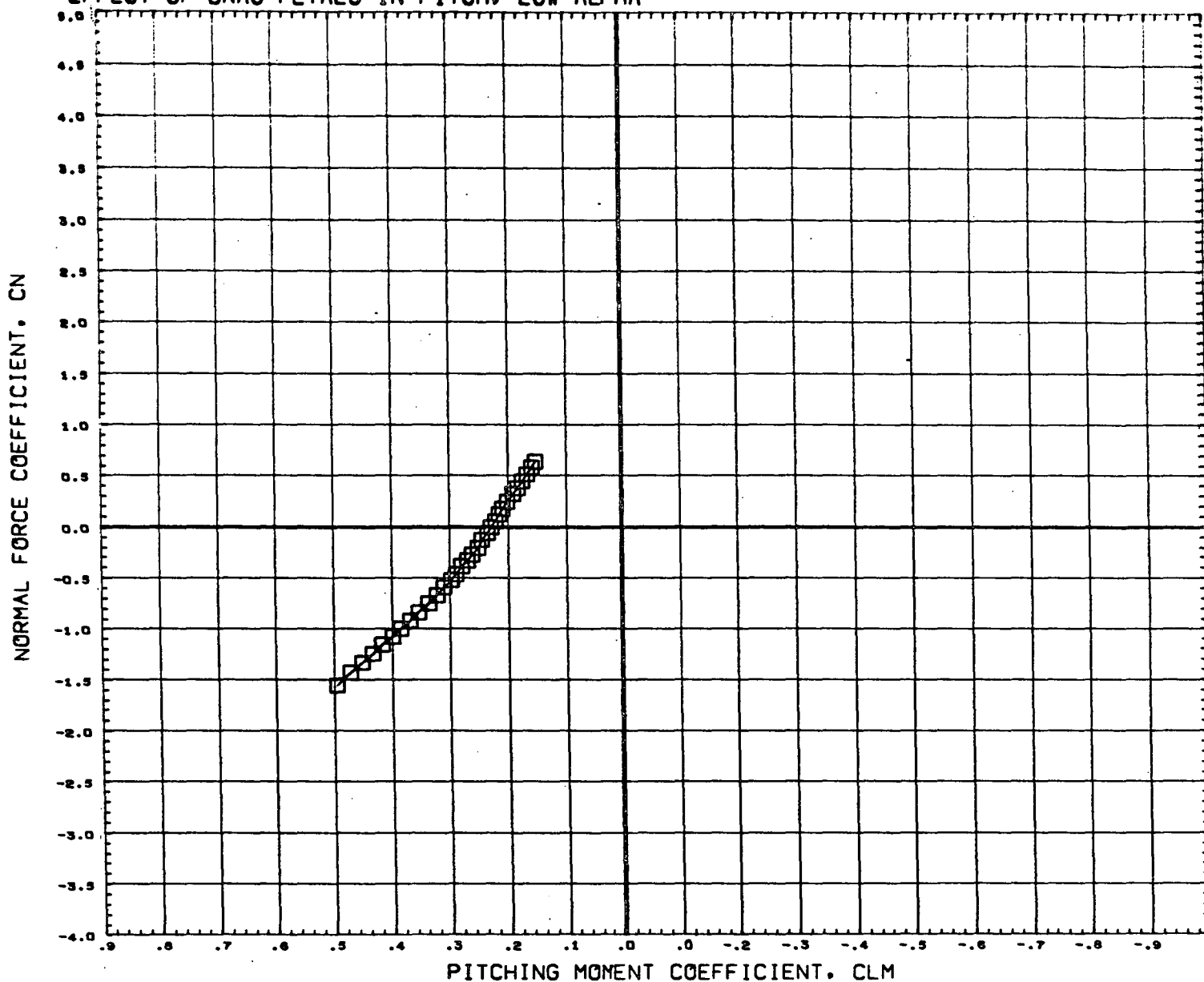
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08551)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08351)	BTWT 1282/BSWT 537 PR-FED BRB B53304.5V6
(R08371)	DATA NOT AVAILABLE FOR ALL CONDITIONS

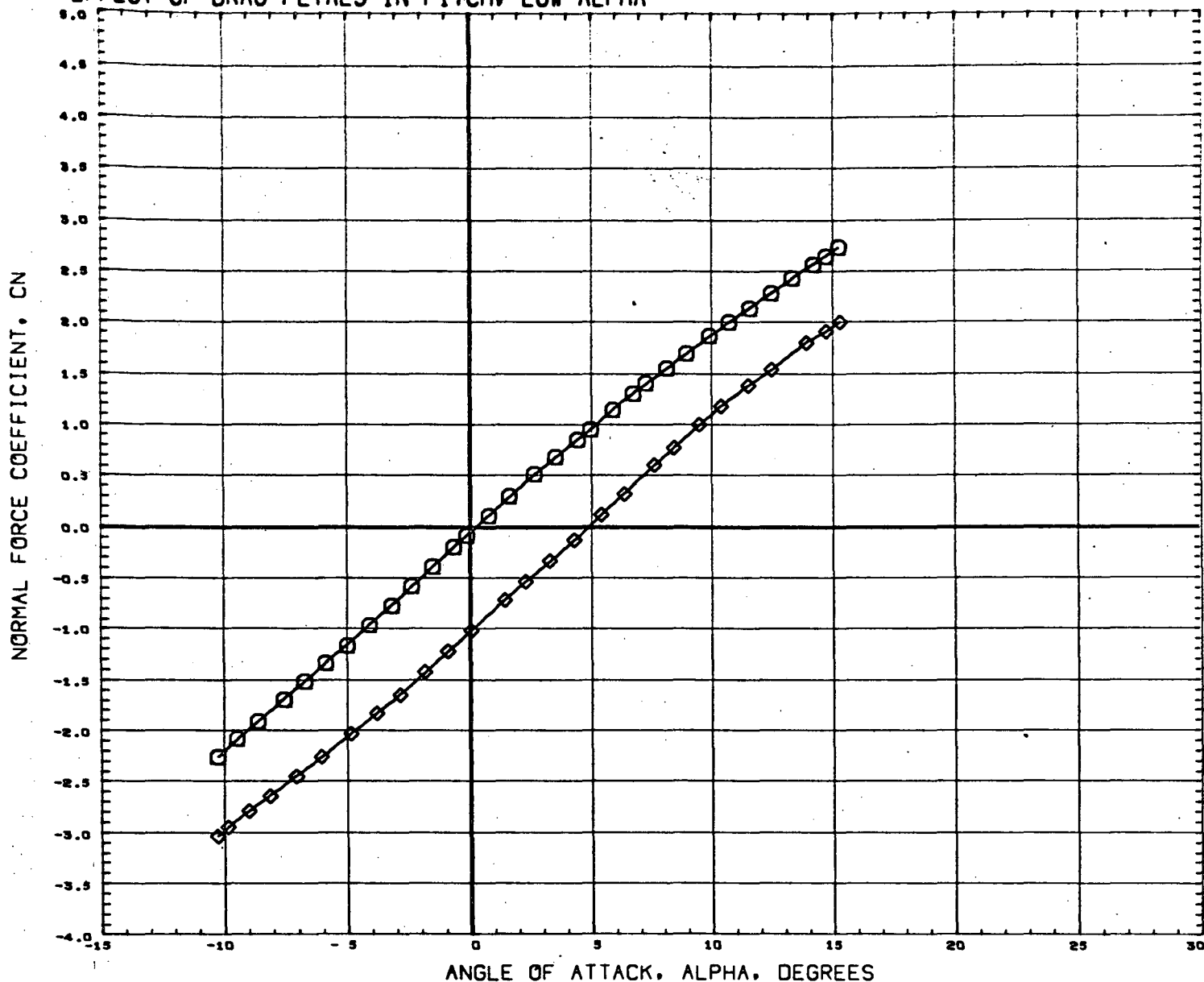
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8401) ○	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6
(RD8361) △	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8351) ◇	BTWT 1262/BSWT 557 PR-FED BRB B5S3D4.5V6

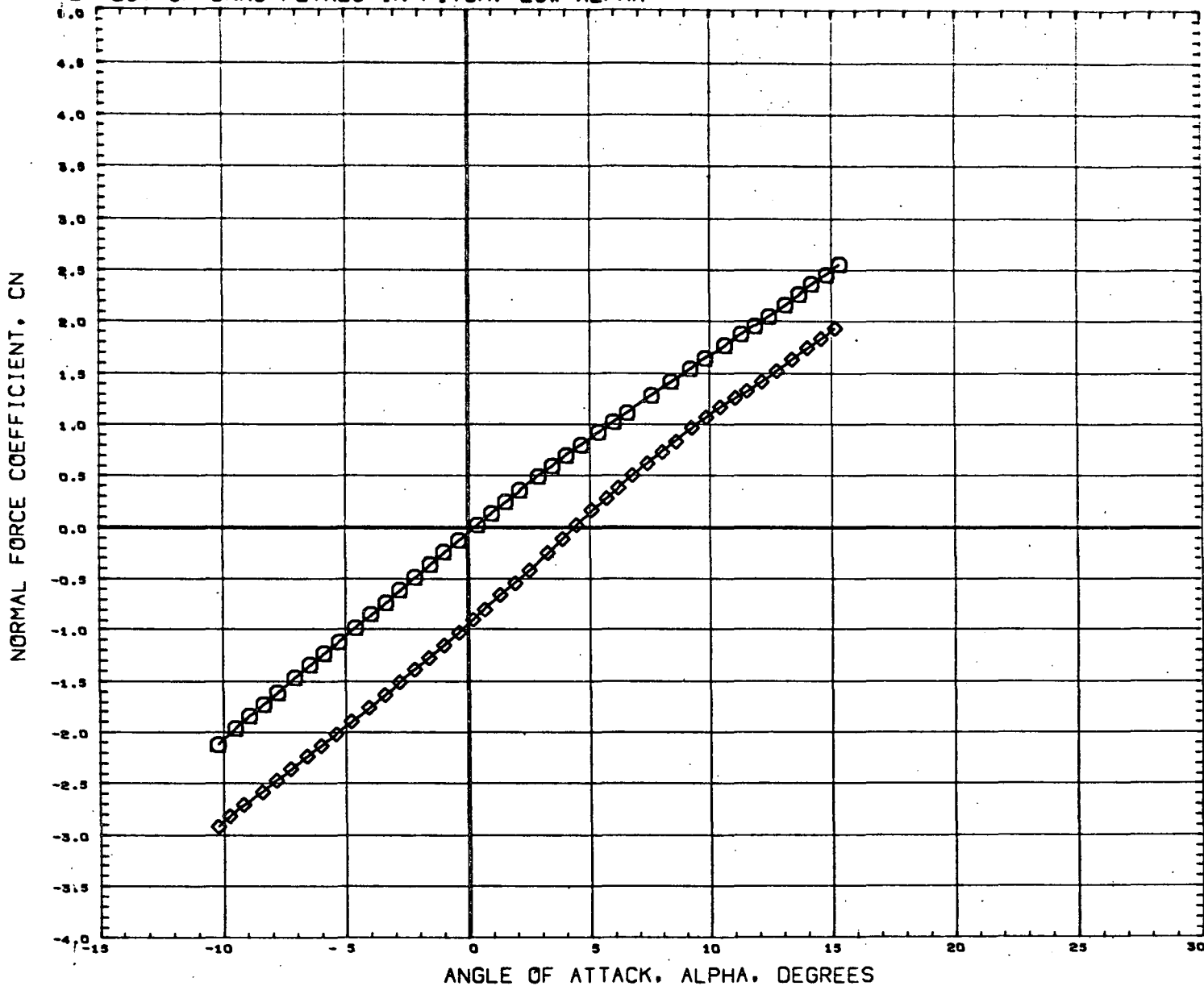
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



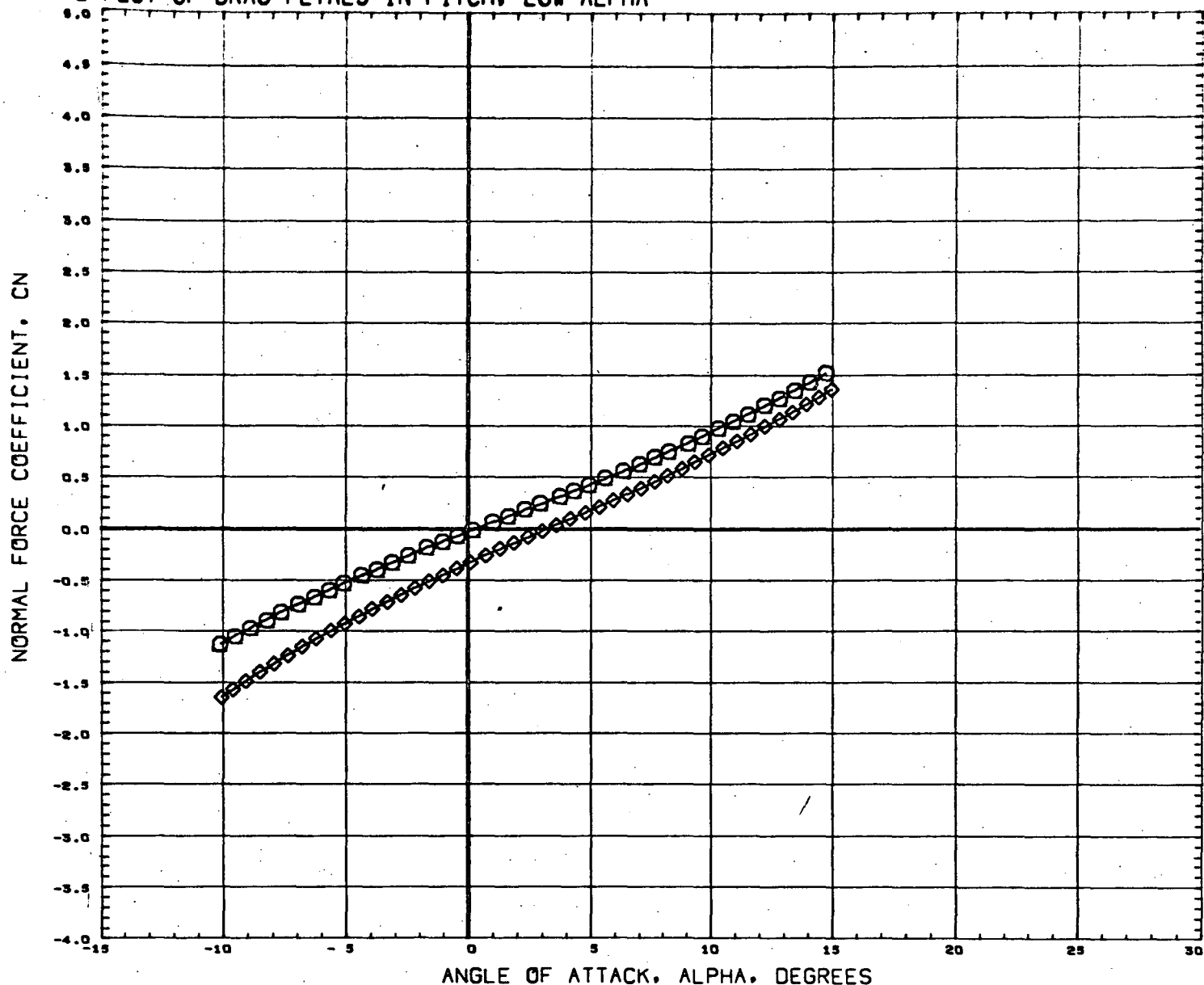
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



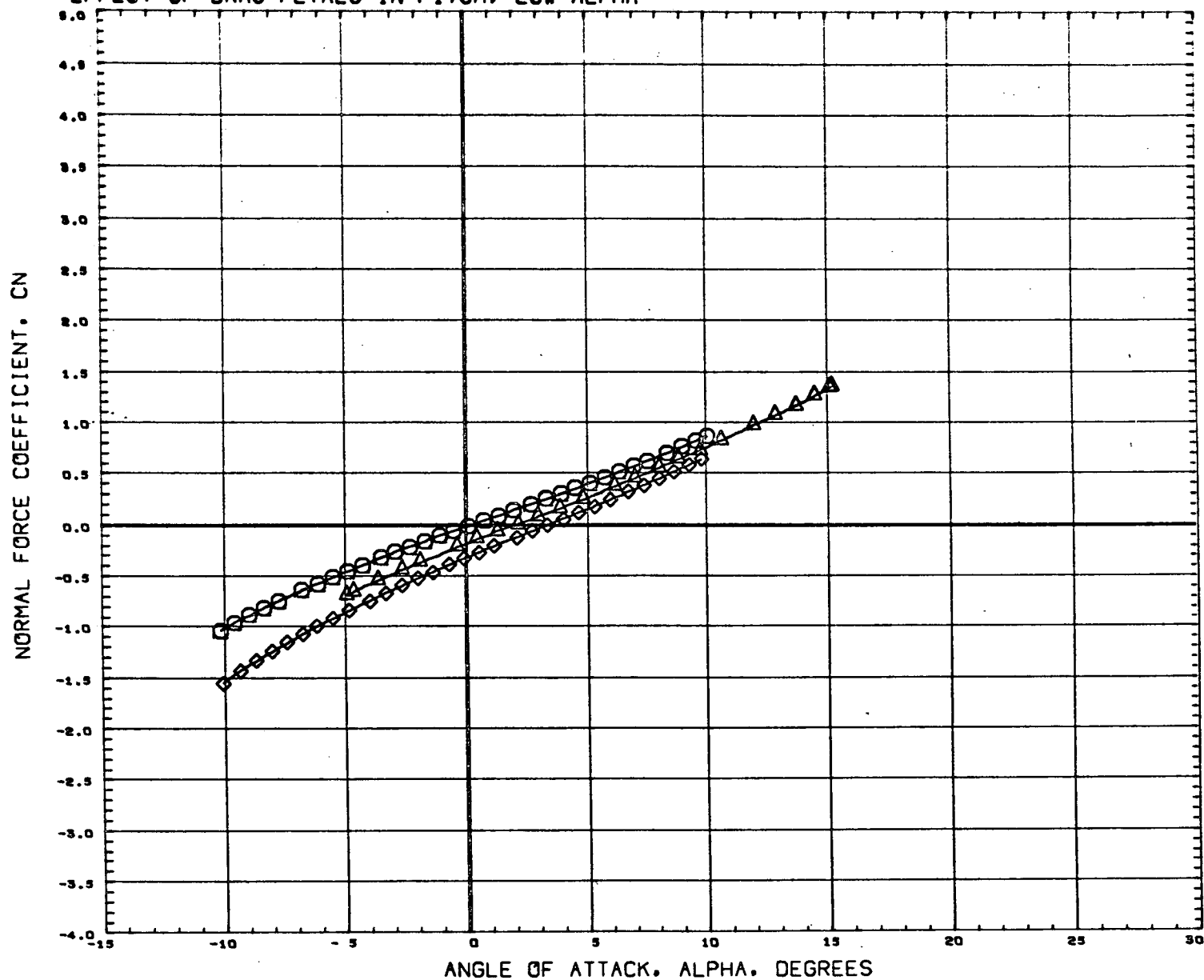
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RO8401)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6
(RO836)	BTWT 1262/BSWT 557 PR-FED BRB 85S3D1.5V6
(AD833)	BTWT 1262/BSWT 557 PR-FED BRB 85S3D4.5V6

BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

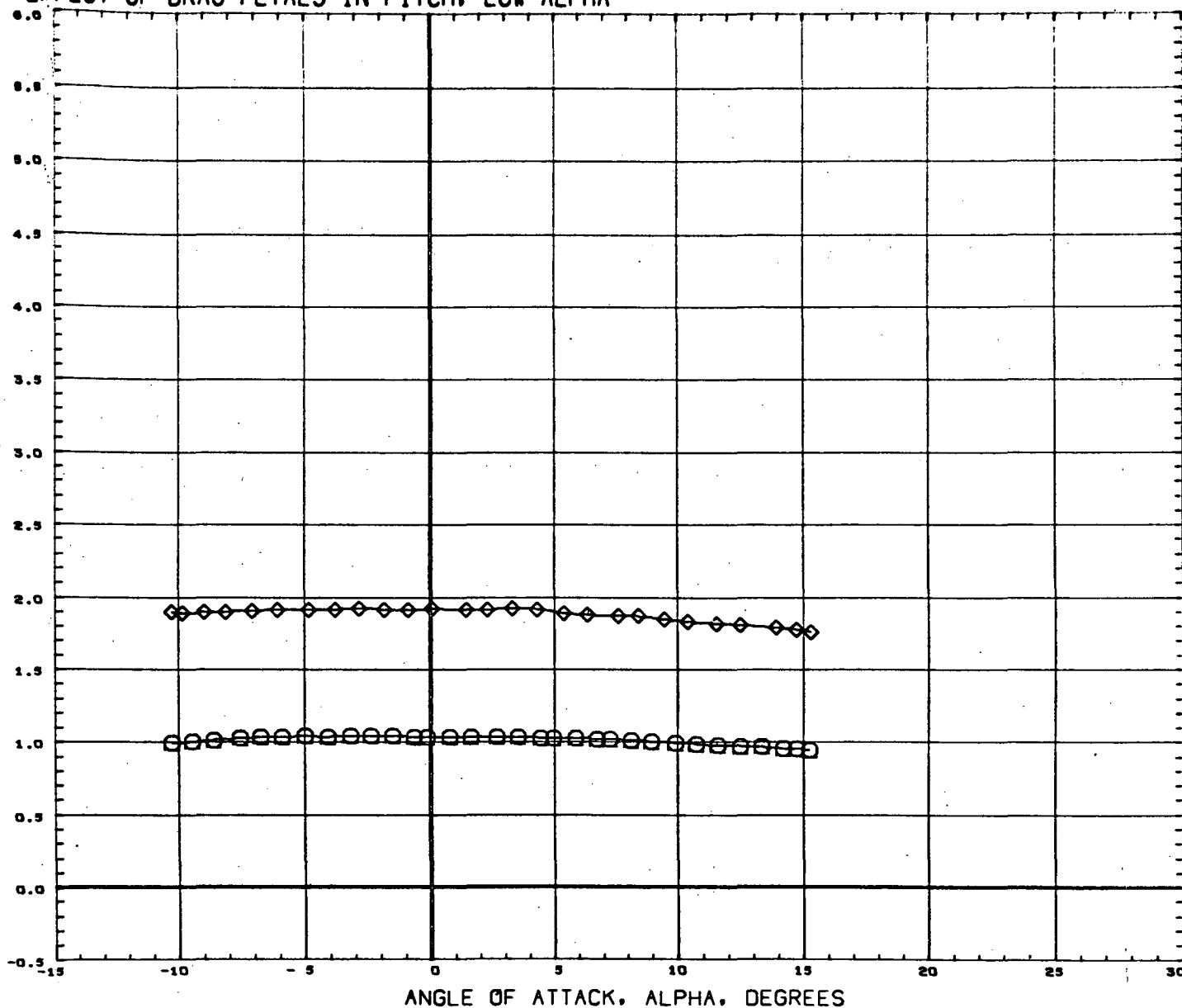
MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



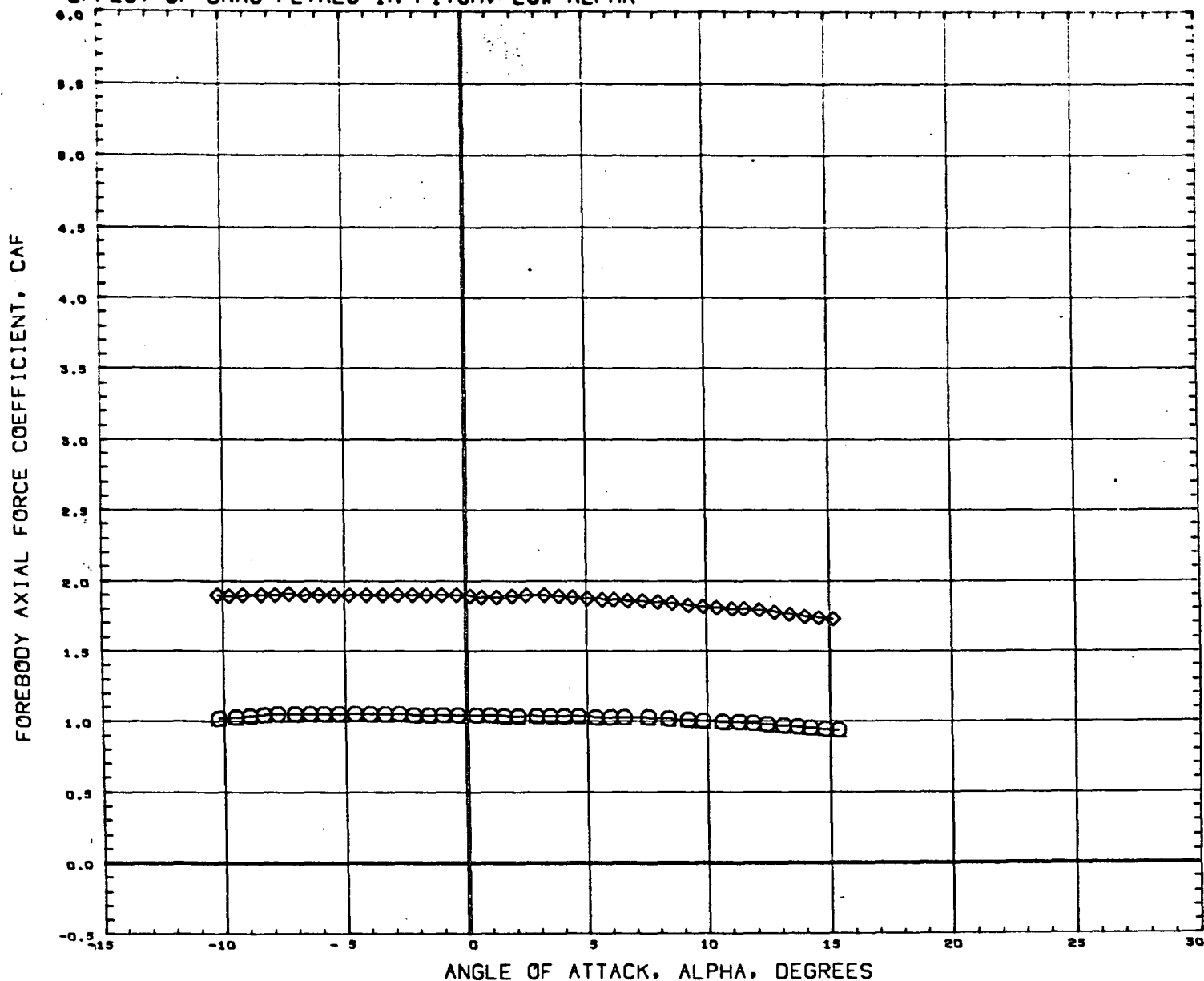
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA

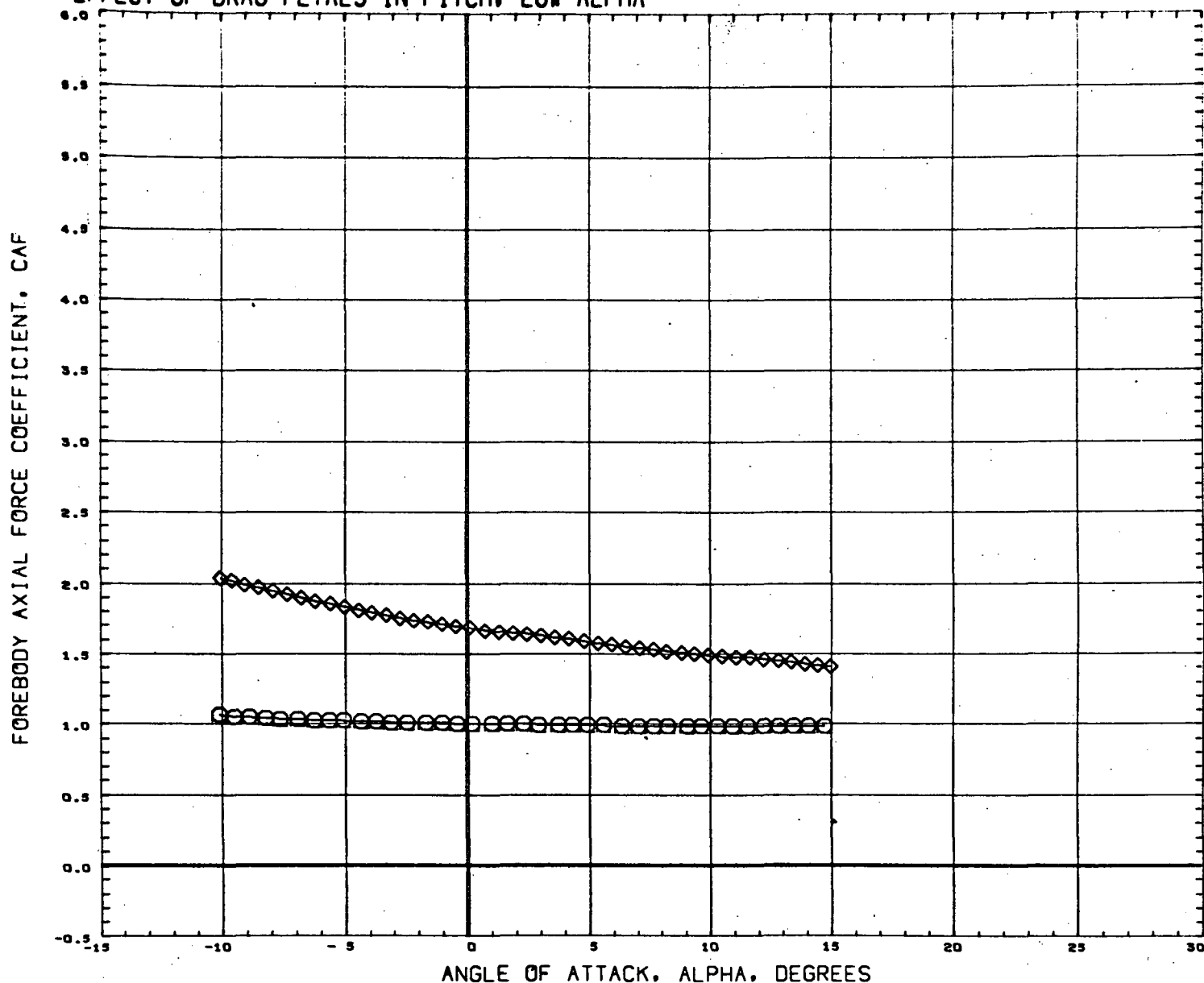


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R08401) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6  
 (R08361) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (A08351) BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6

BETA DELTAV  
 0.000 0.000  
 0.000 0.000  
 0.000 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRF 0.6000 LBODY  
 YMRF 0.0000 INCHES  
 ZMRF 0.0000 INCHES  
 SCALE 0.8899 PERCENT

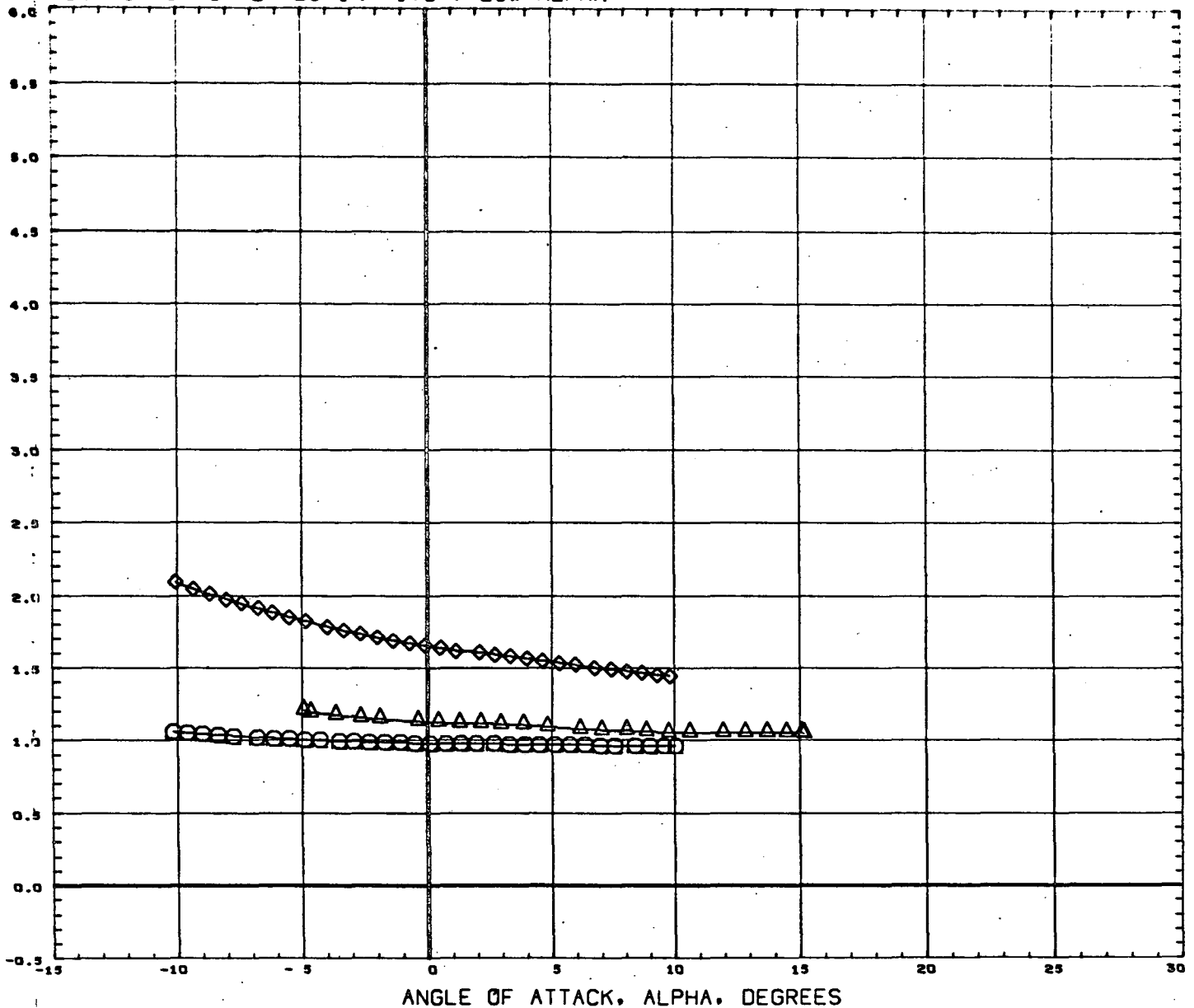
MACH

3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R08401)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6
(R08361)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D1.5V6
(A08351)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D4.5V6

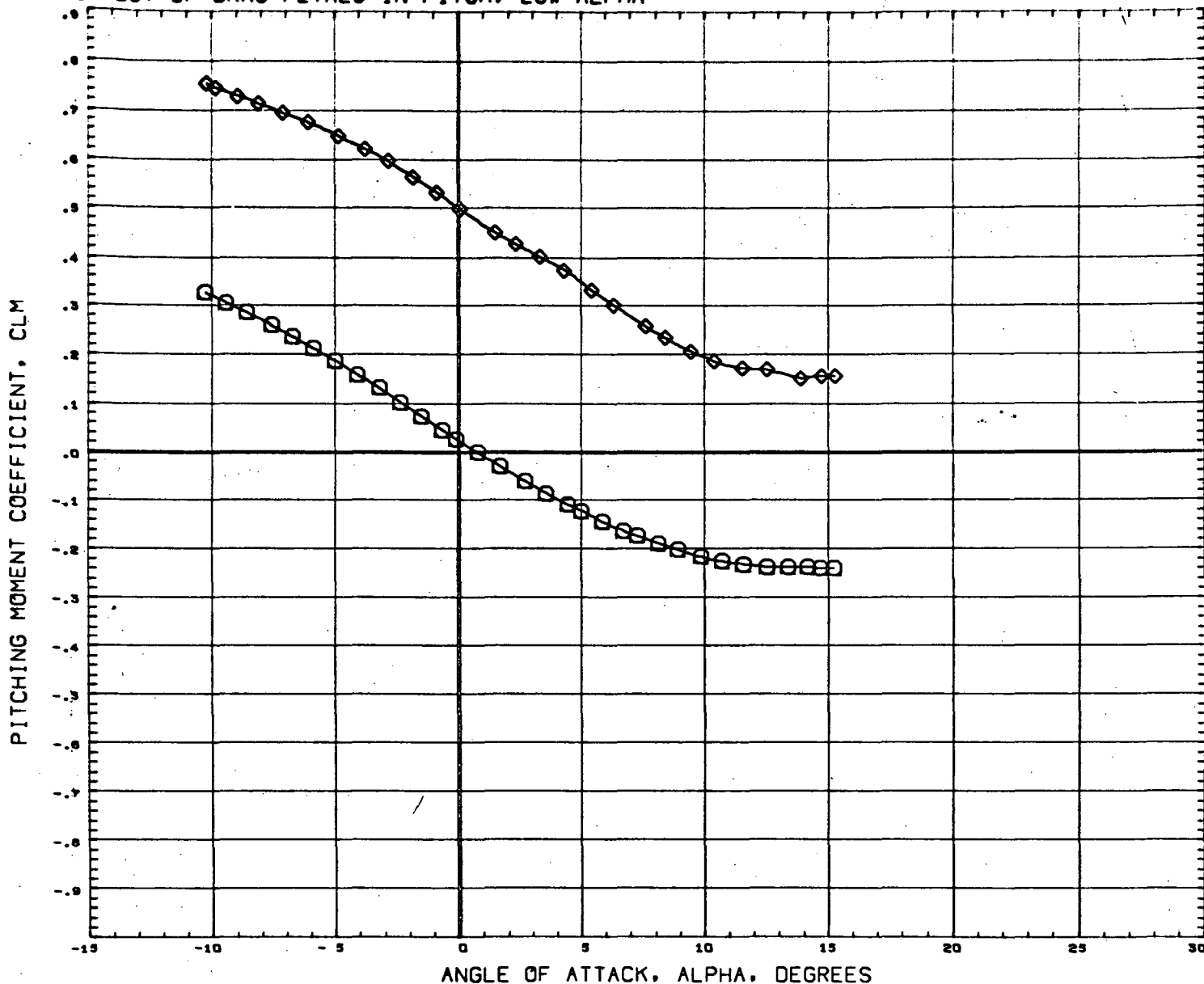
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

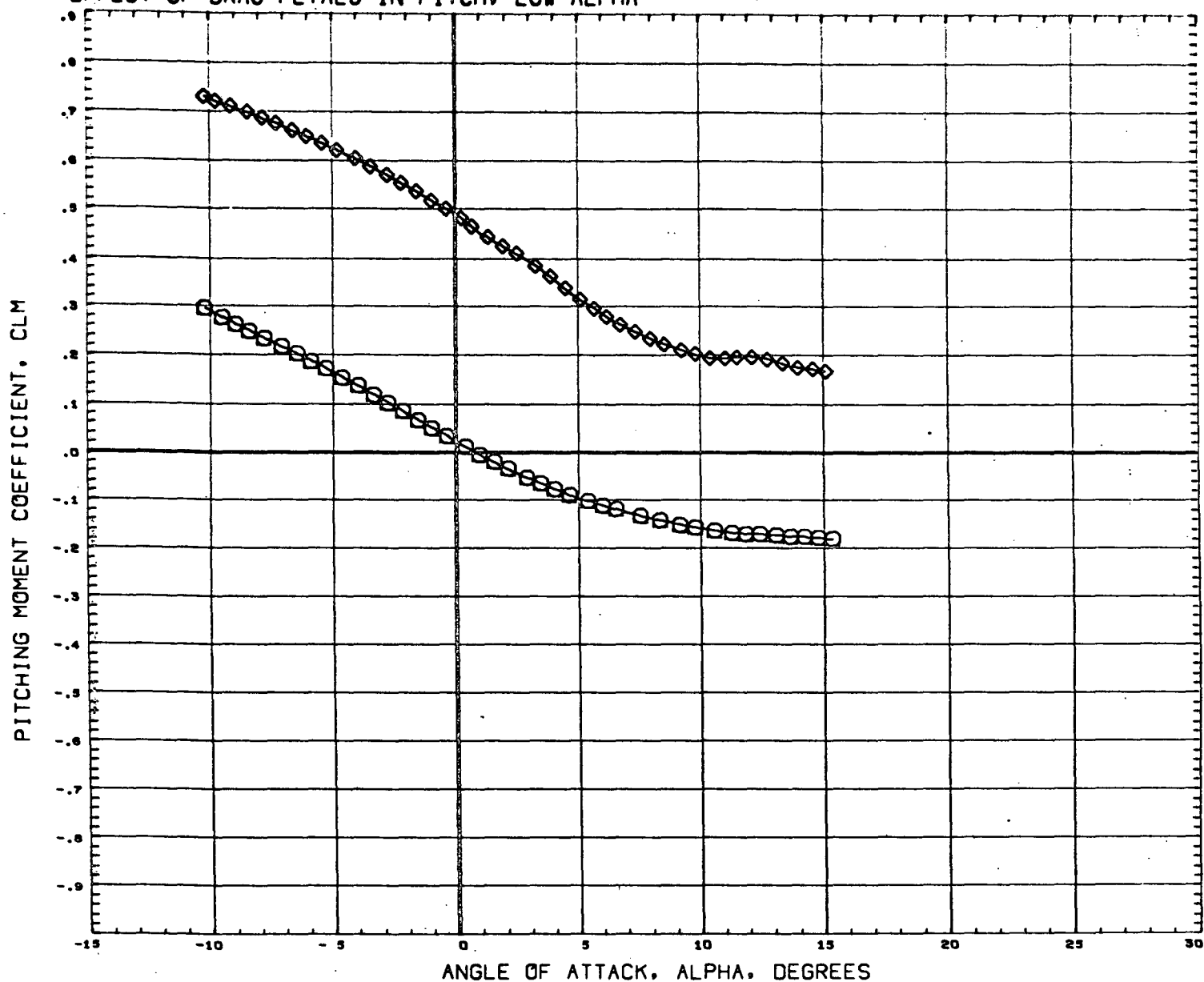


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S304.5V6	0.000	0.000	BREF	14.6830 INCHES
				YNRP	0.0000 LBODY
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

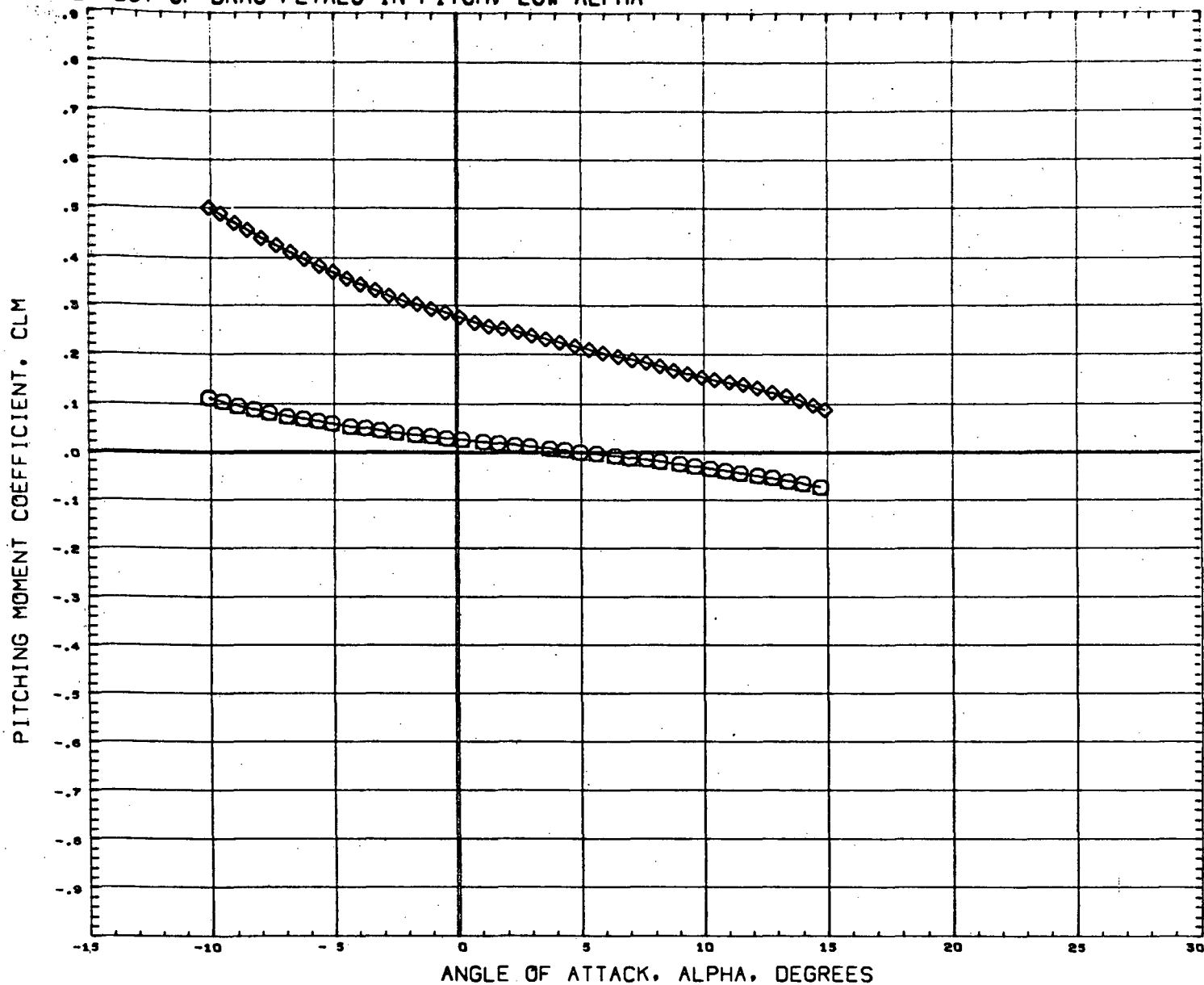


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(AD8331)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD8401)	Q	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6
(RD8361)	Δ	DATA NOT AVAILABLE FOR ALL CONDITIONS		
(AD8351)	◇	BTWT 1282/BSWT 557	PR-FED BRB	85S3D4.5V6

BETA DELTAV

0.000	0.000
0.000	0.000
0.000	0.000

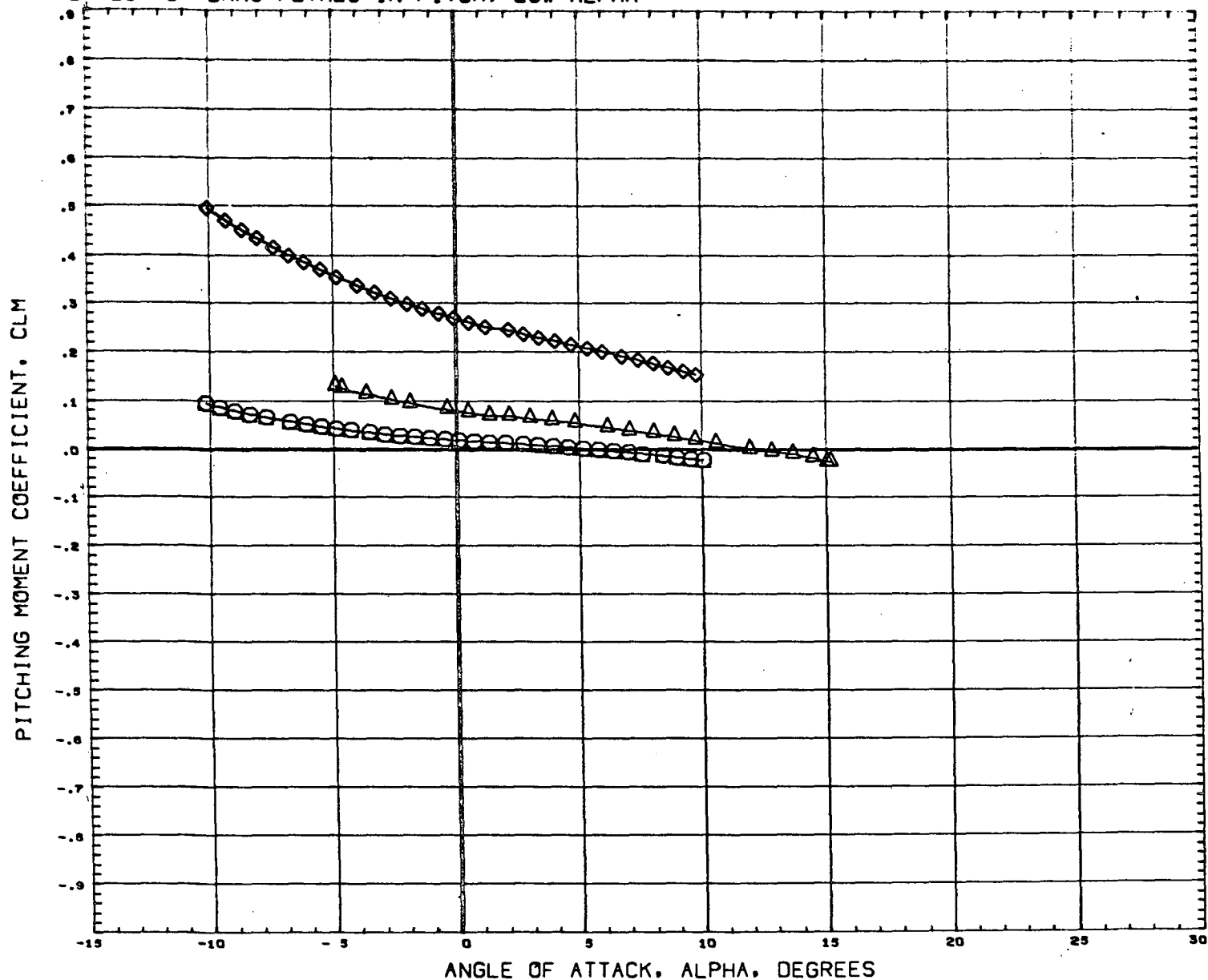
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V6
(RD8361)	BTWT 1282/BSWT 557 PR-FED BRB BSS301.5V6
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB BSS304.5V6

BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000

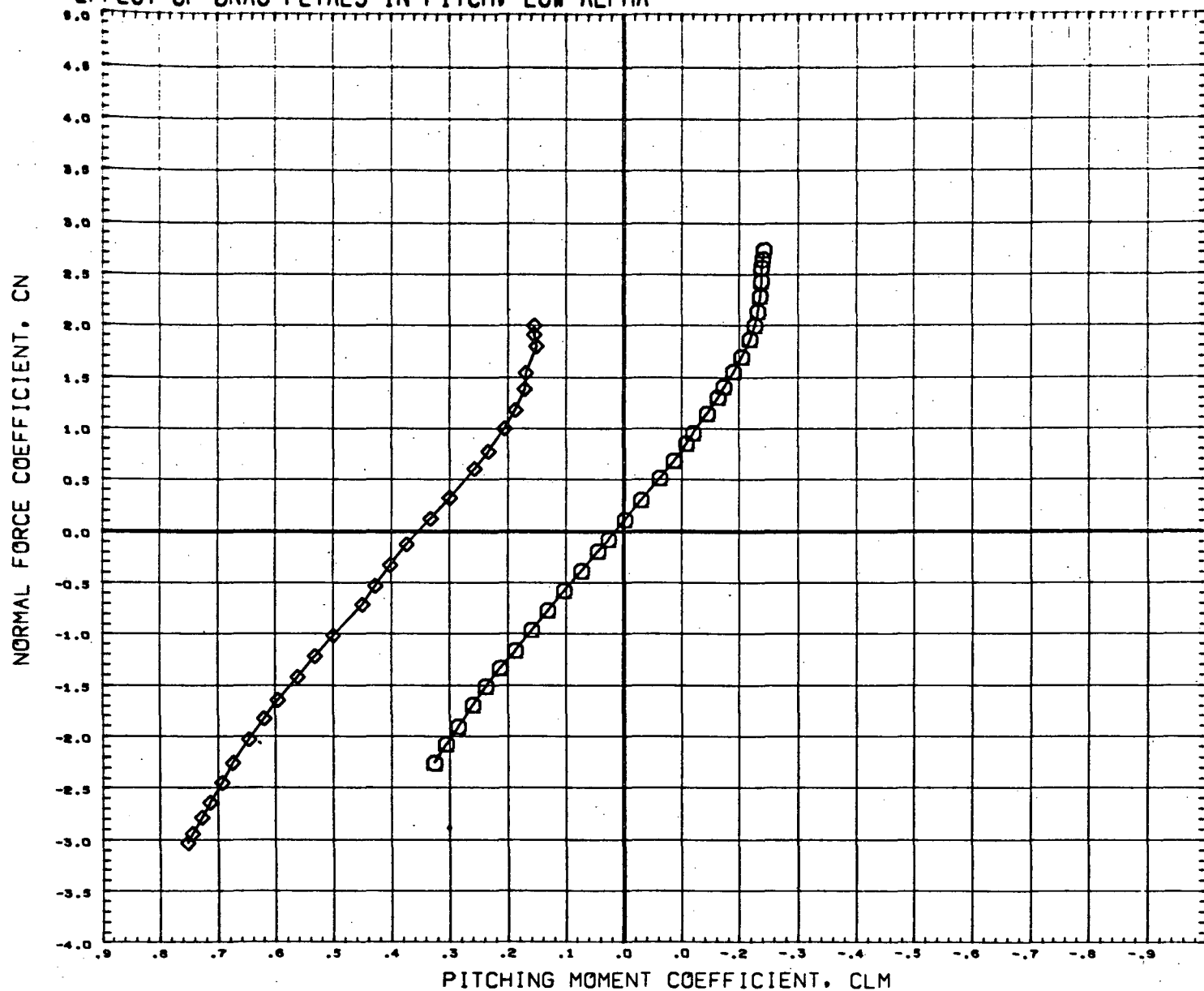
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



PITCHING MOMENT COEFFICIENT, CLM

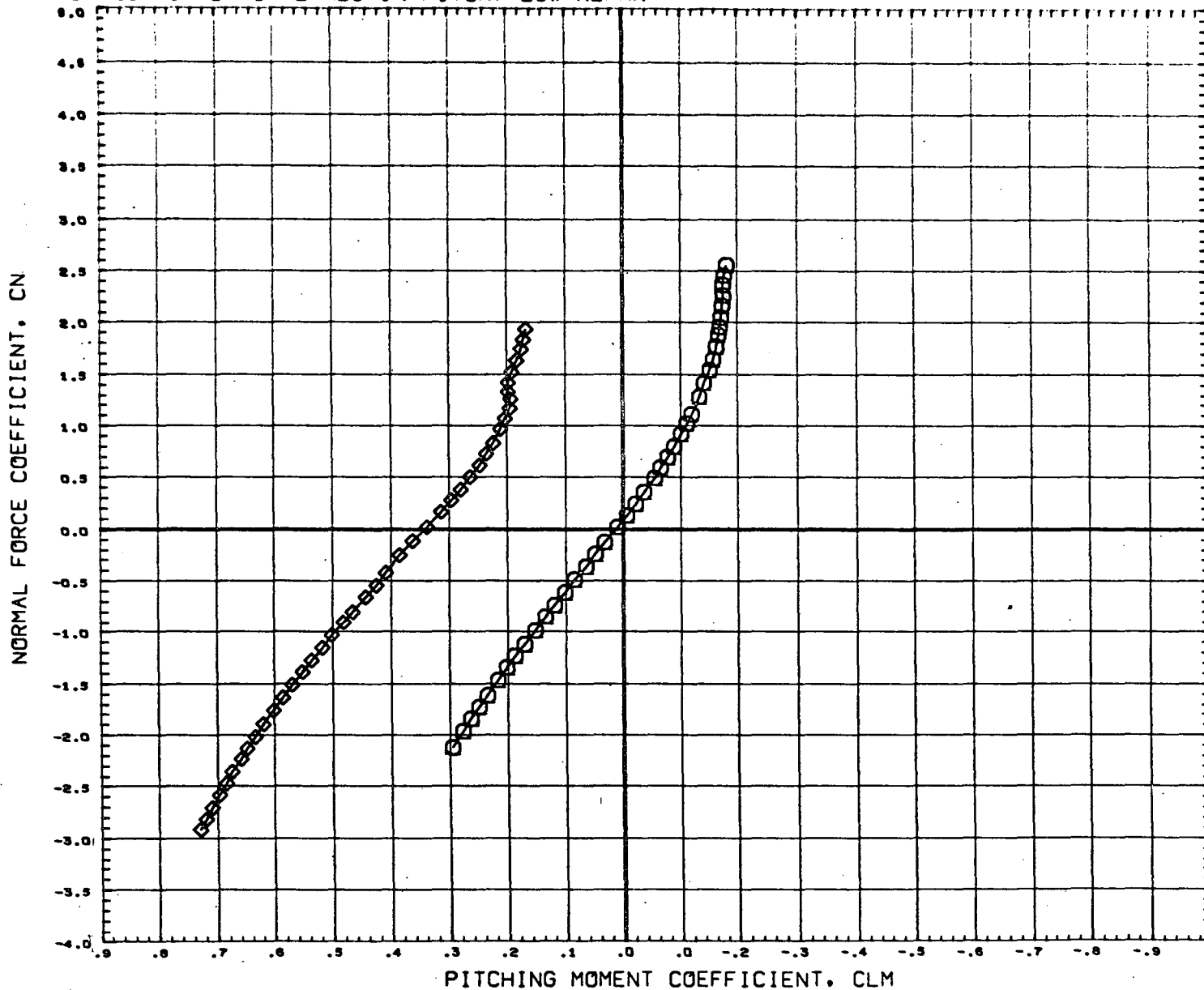
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

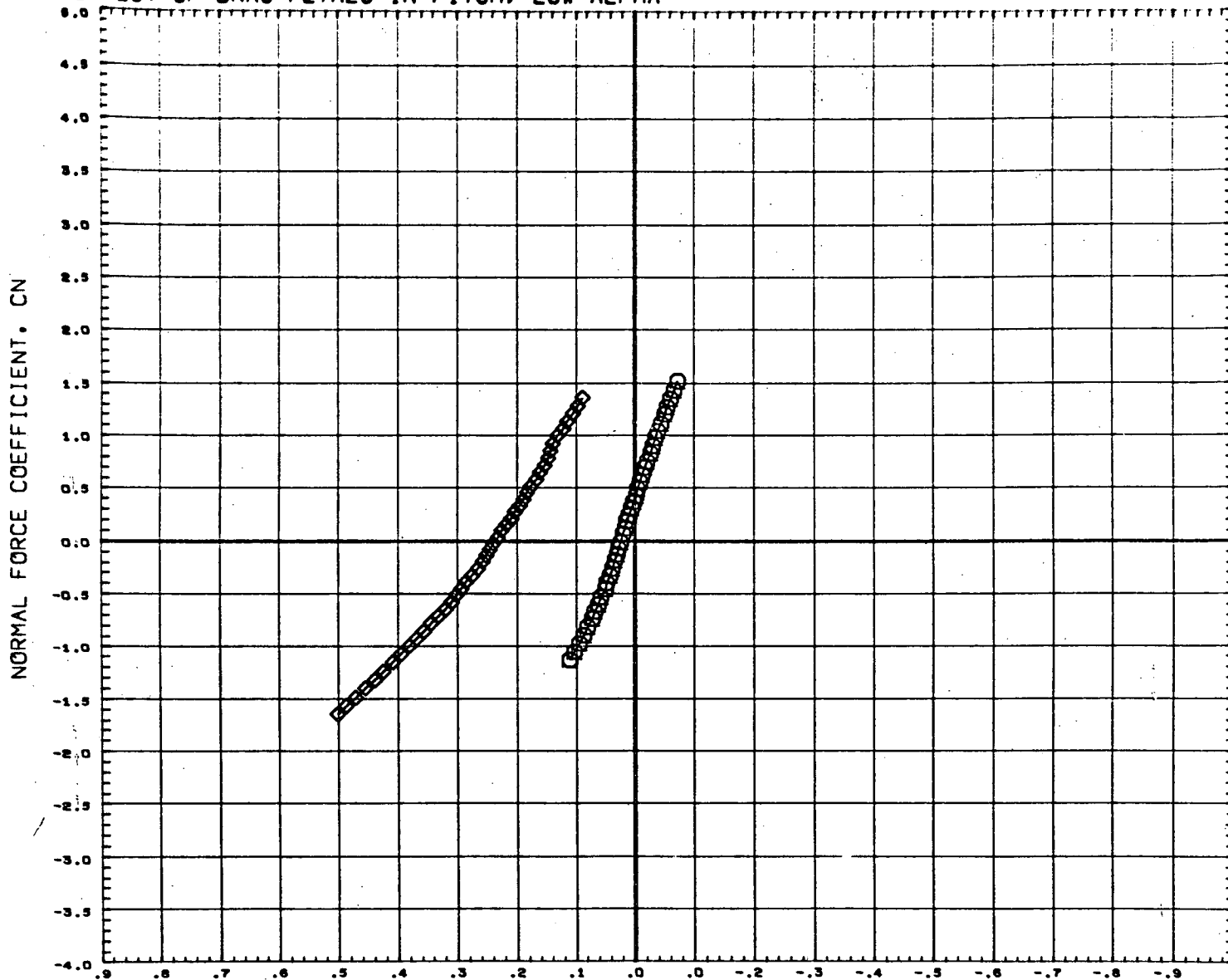


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBOOY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.6899 PERCNT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



PITCHING MOMENT COEFFICIENT, CLM

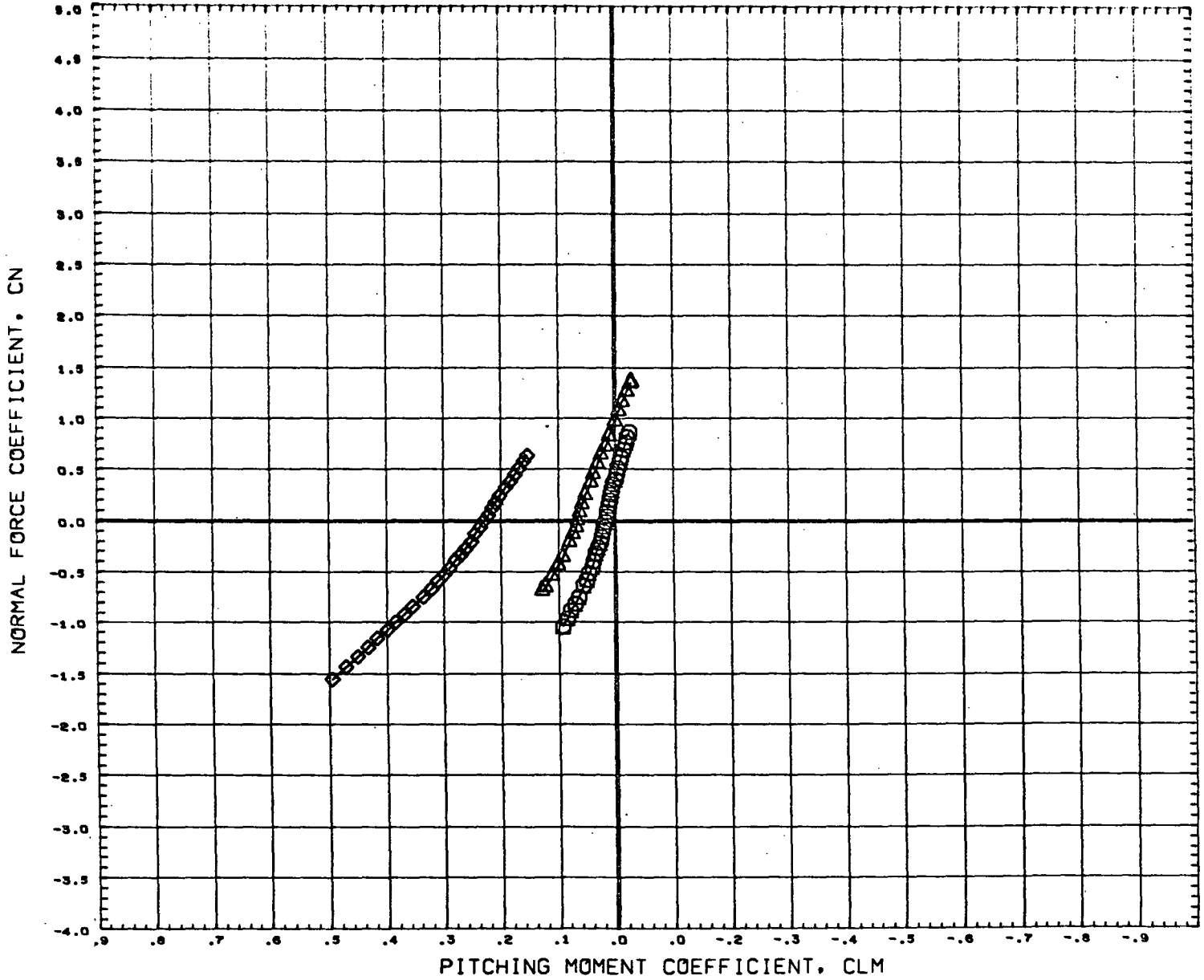
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(RD8361)	BTWT 1282/BSWT 557 PR-FED BRB B553D1.5V6
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B553D4.5V6

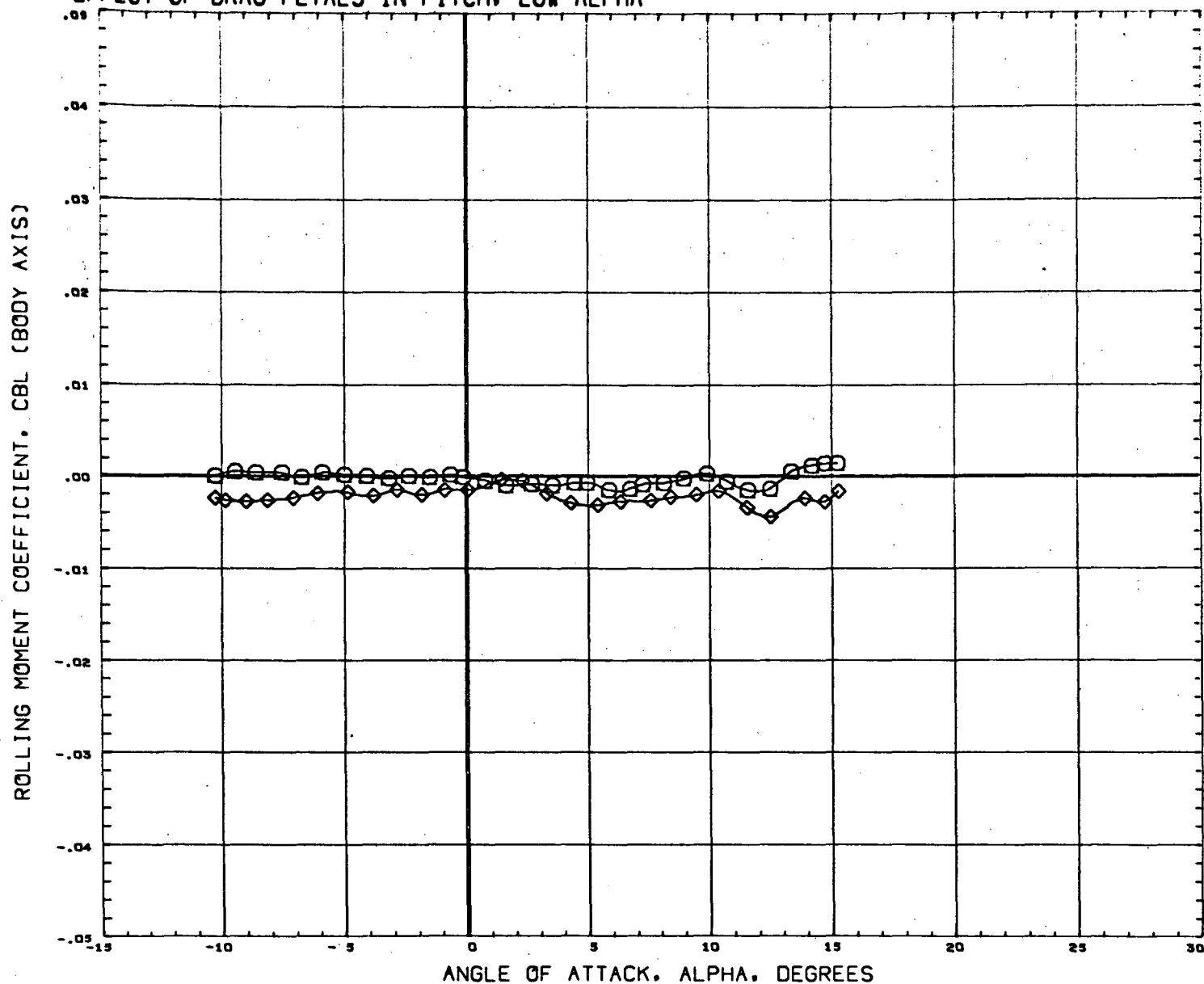
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S304.5V6

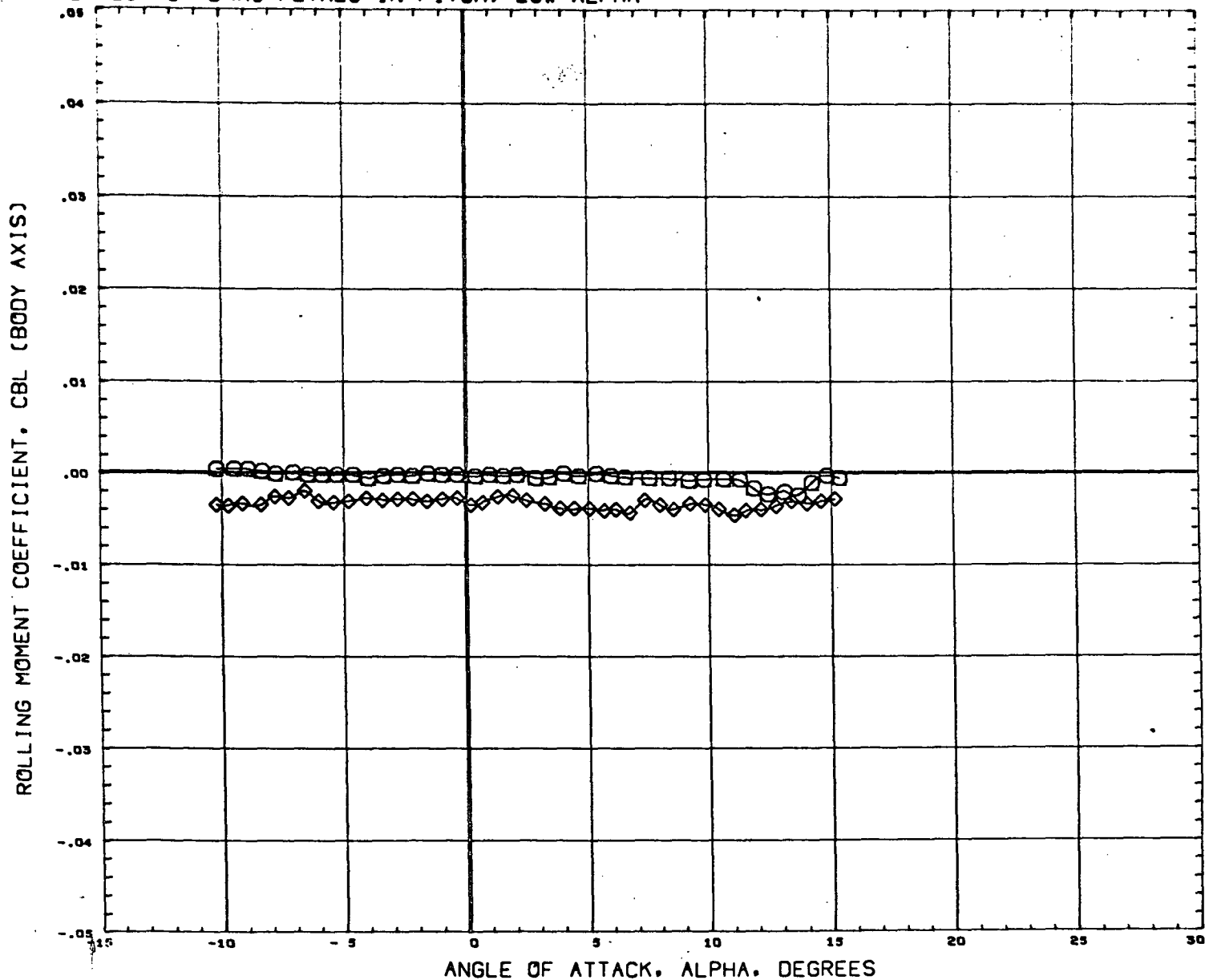
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD8401) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6

(RD9361) DATA NOT AVAILABLE FOR ALL CONDITIONS

(AD8351) BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6

BETA DELTAV

0.000 0.000

0.000 0.000

0.000 0.000

## REFERENCE INFORMATION

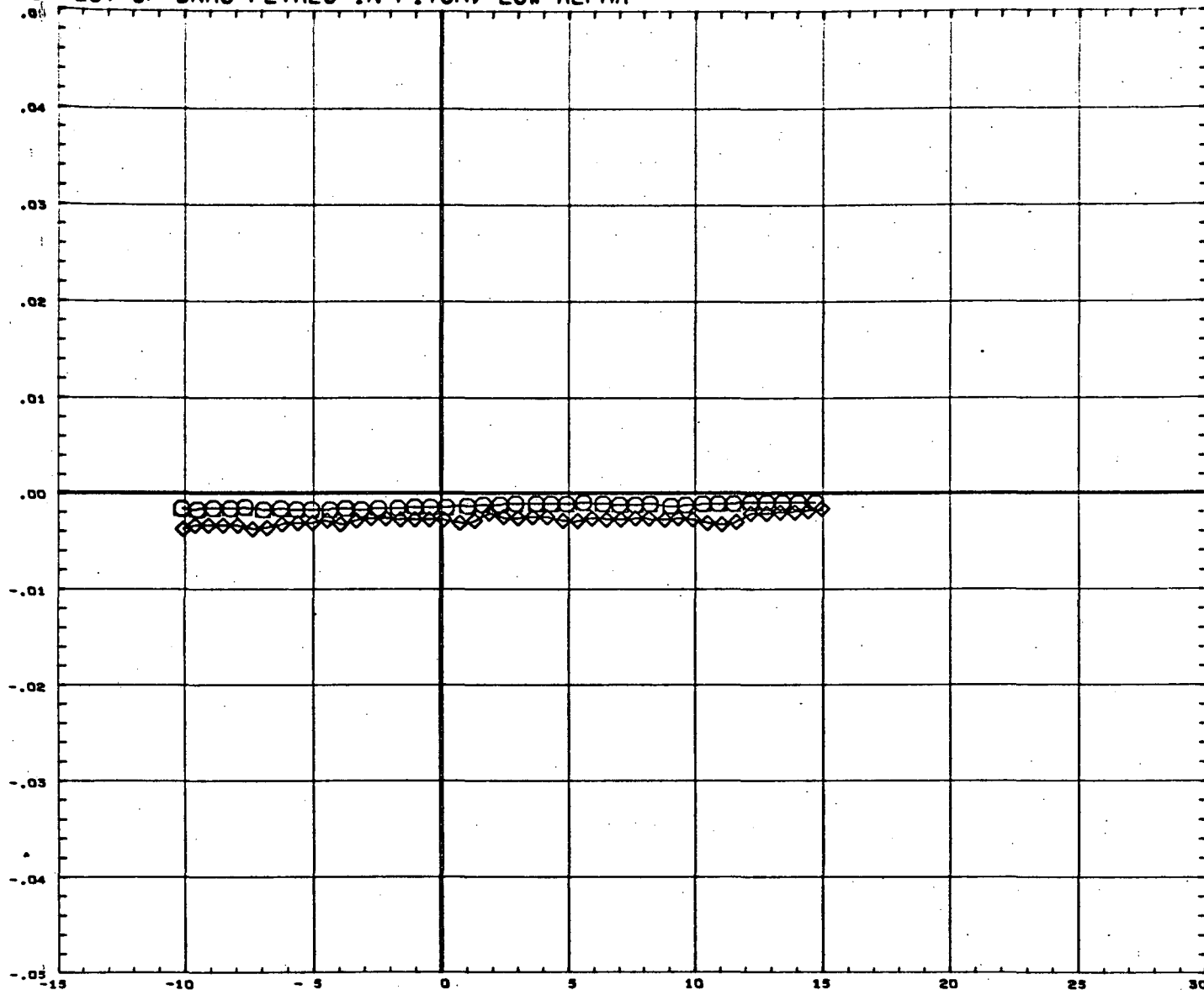
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000

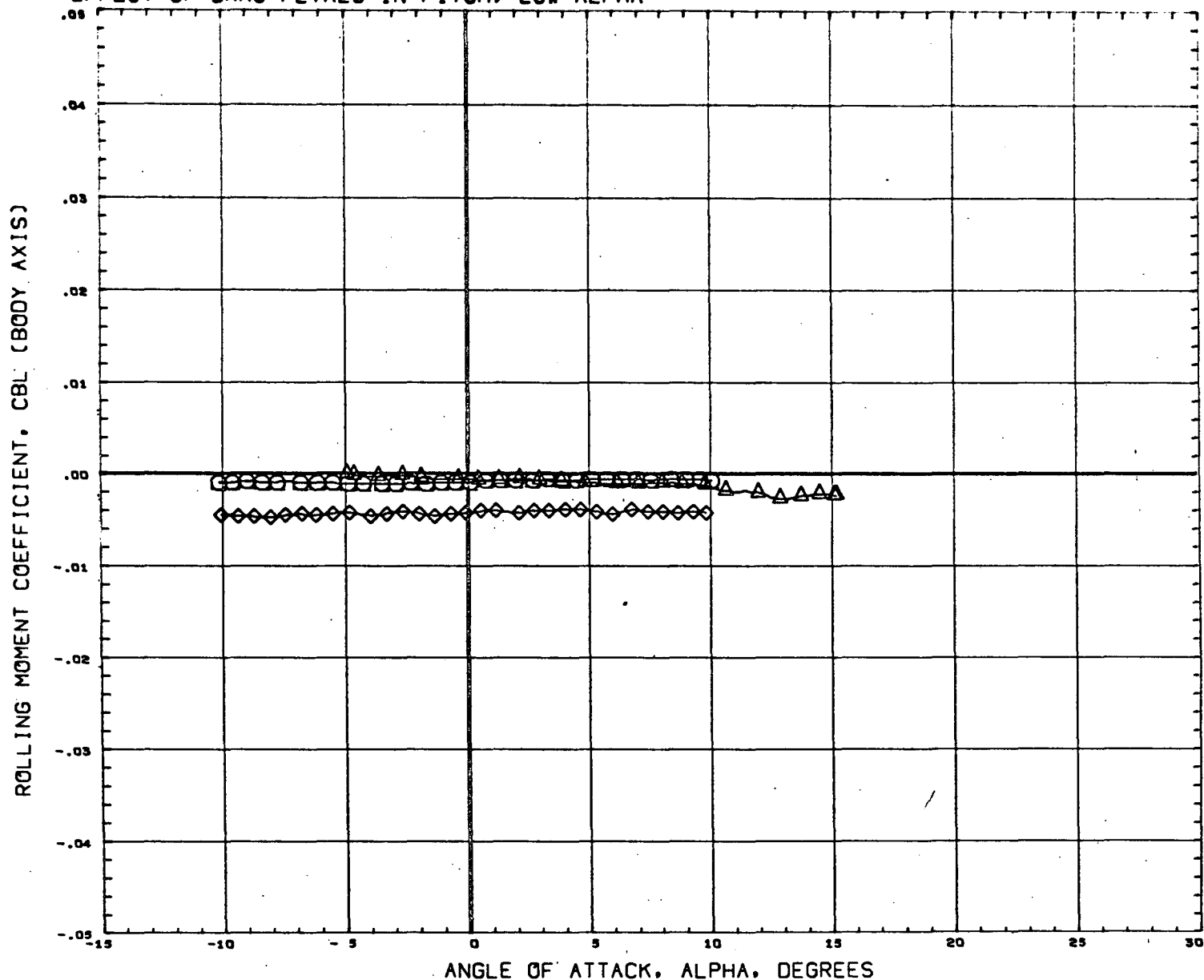
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH

3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8361)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6	0.000	0.000
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000

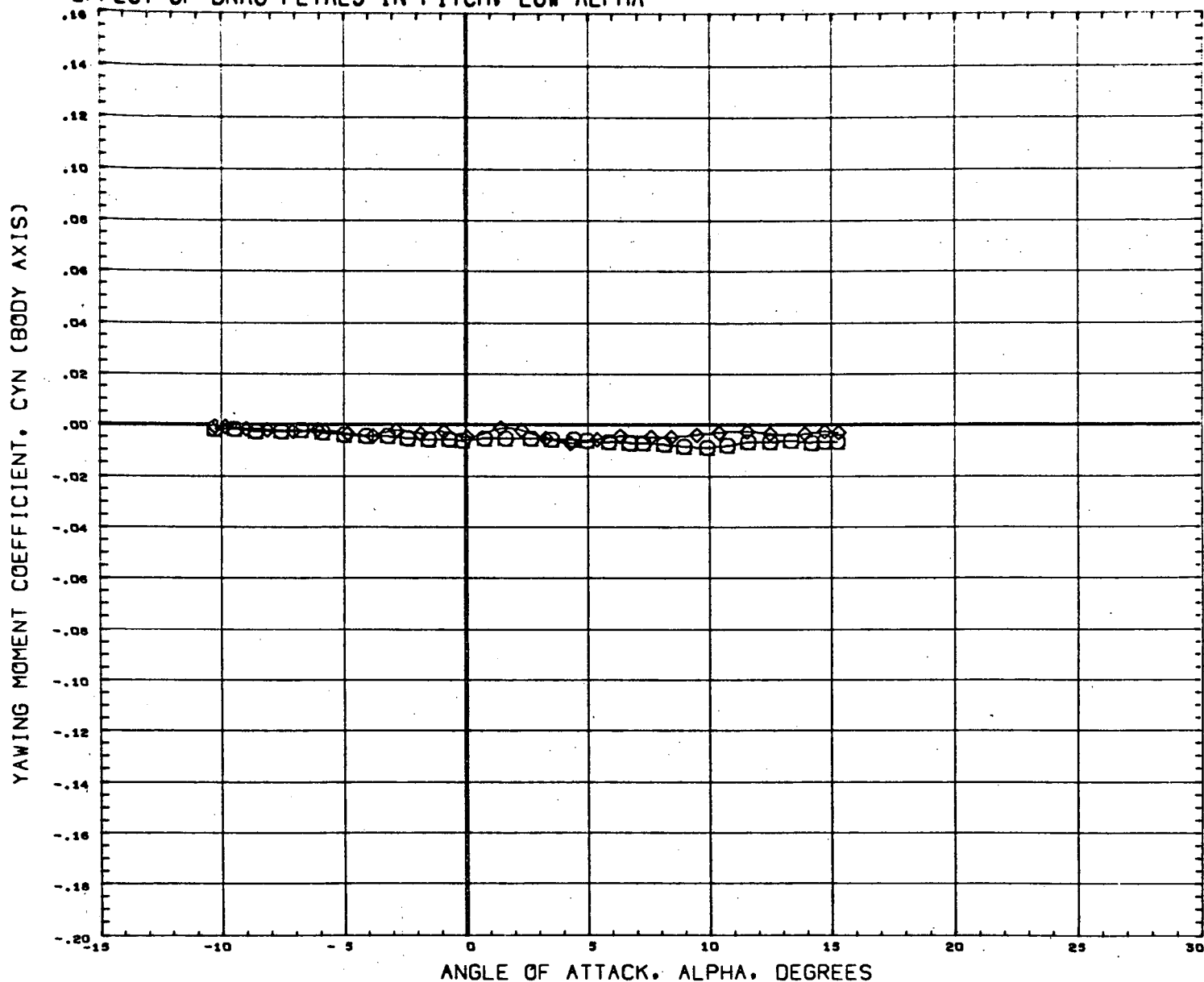
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



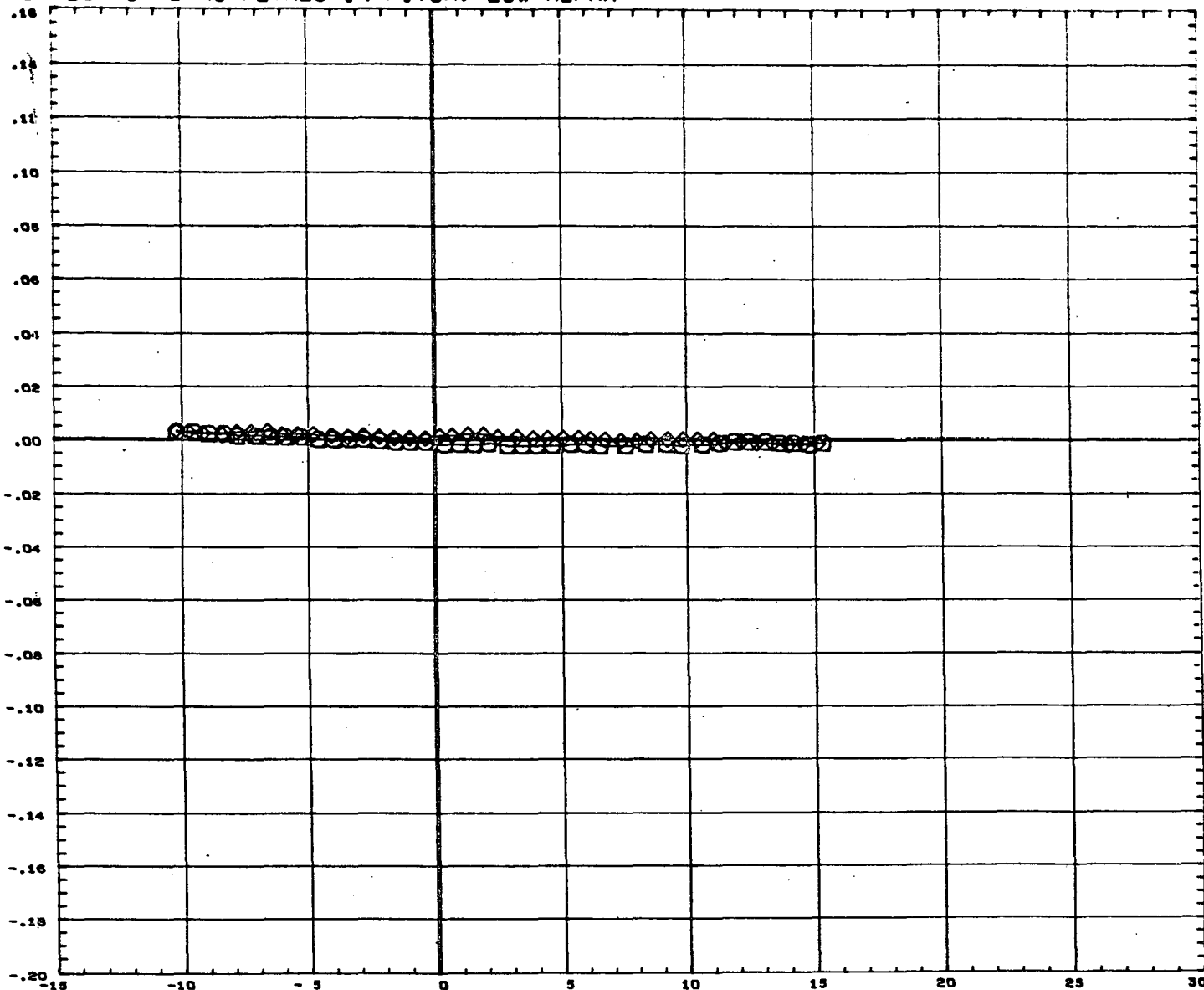
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(R08401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000
(R08361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(A08351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000

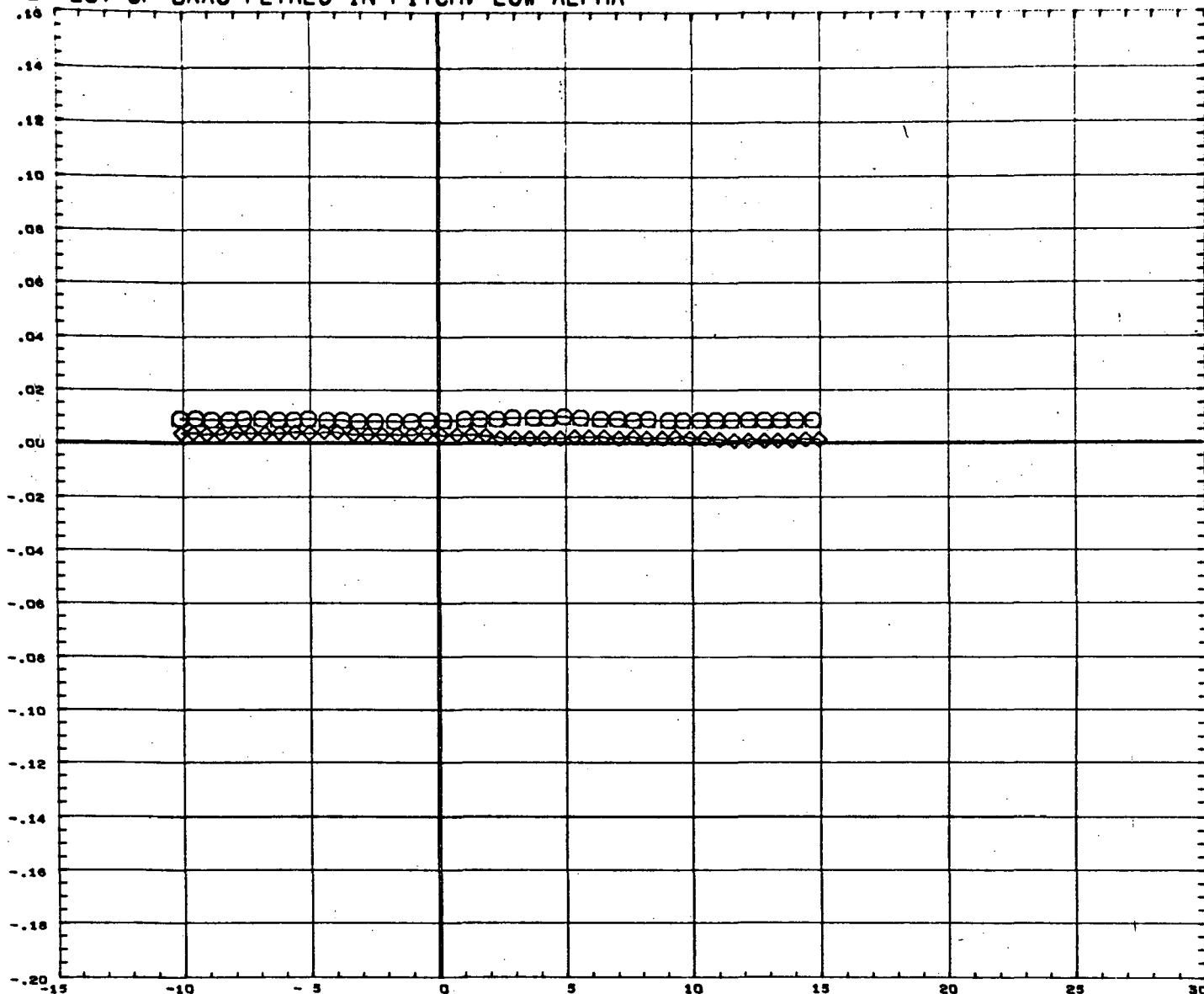
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD8401)	○	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6
(RD8361)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		
(AD8351)	◇	BTWT 1282/BSWT 557	PR-FED BRB	85S304.5V6

BETA DELTAV

0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION

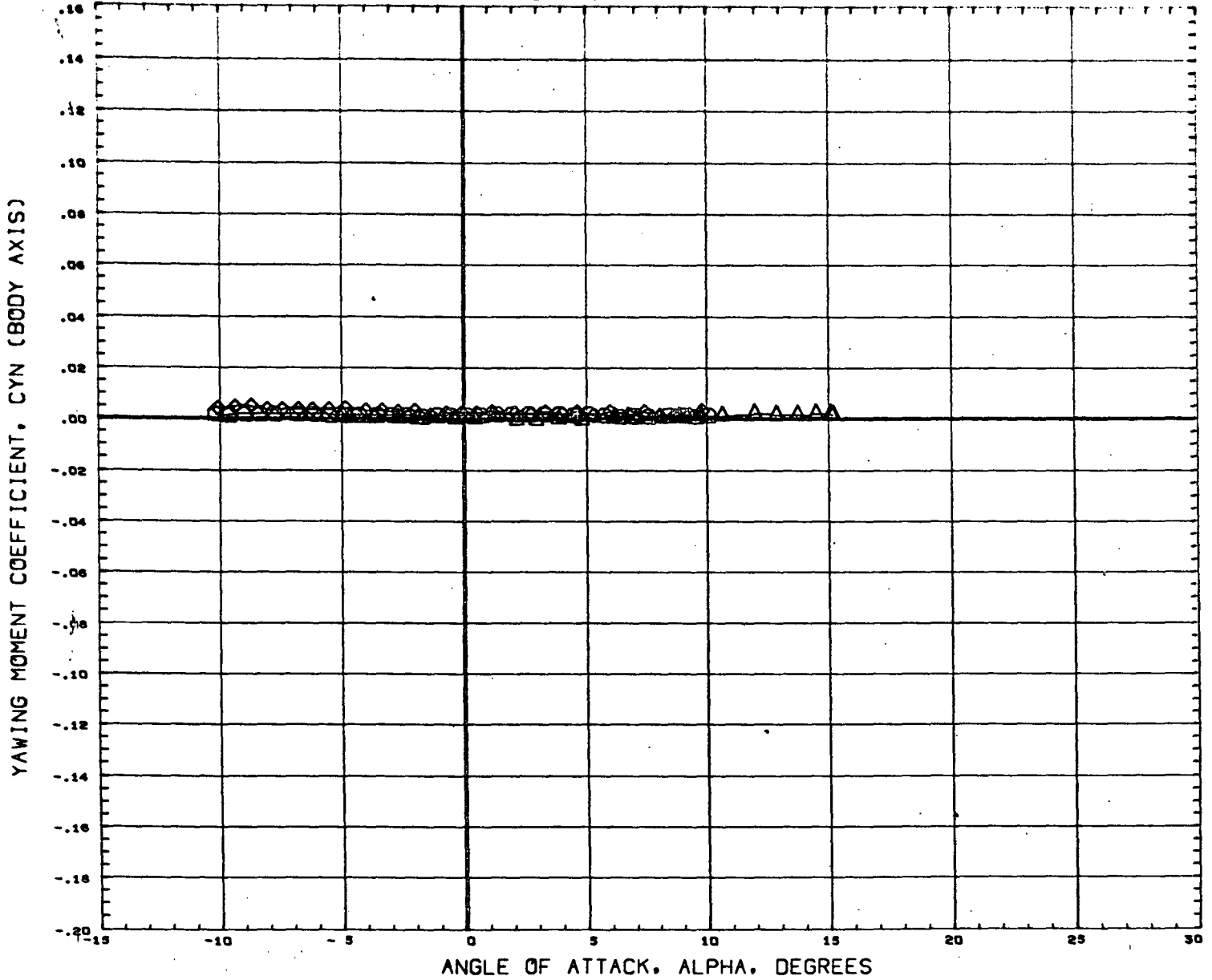
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH

3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



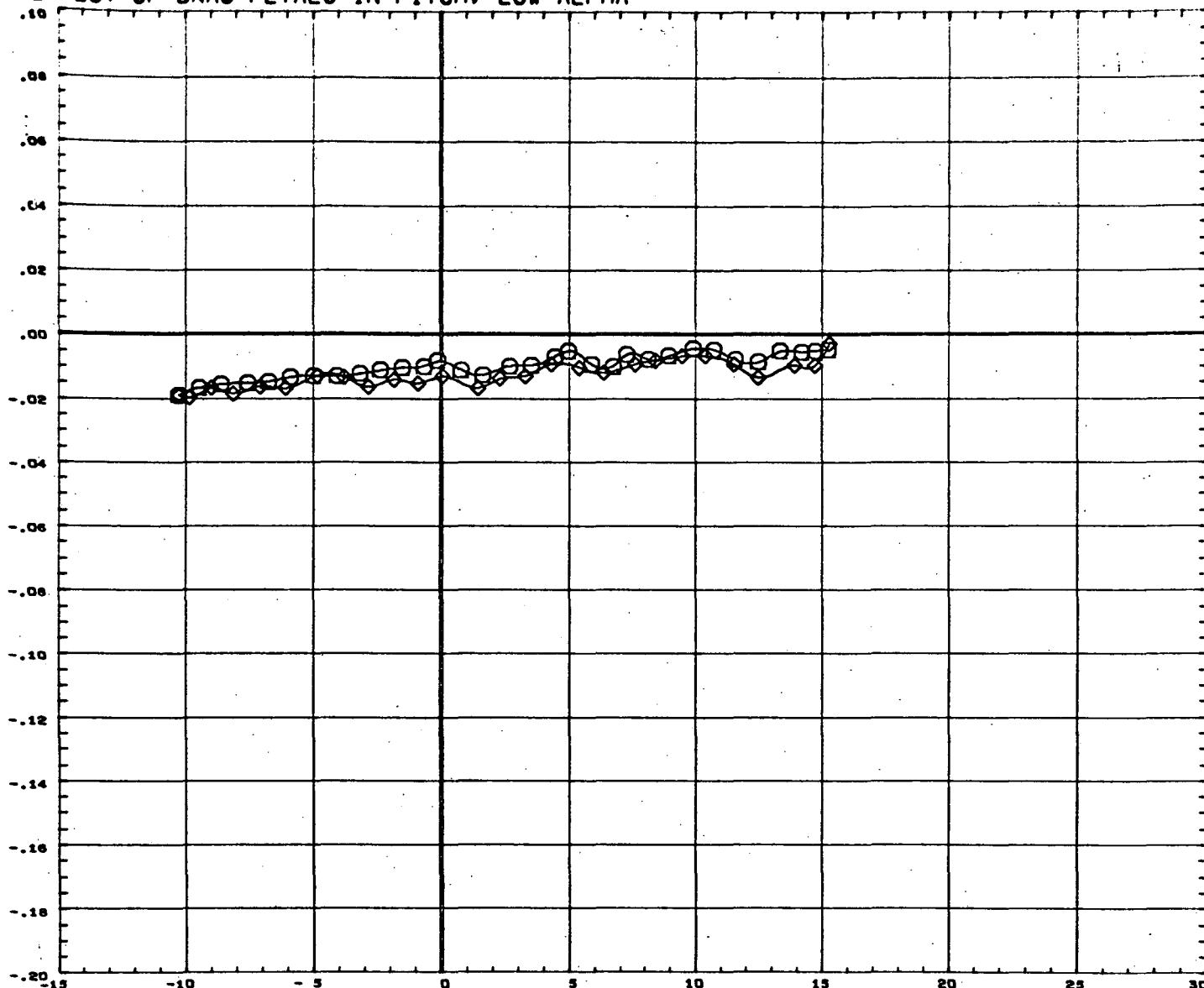
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.5V6	0.000	0.000	LREF	14.6830 INCHES
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6

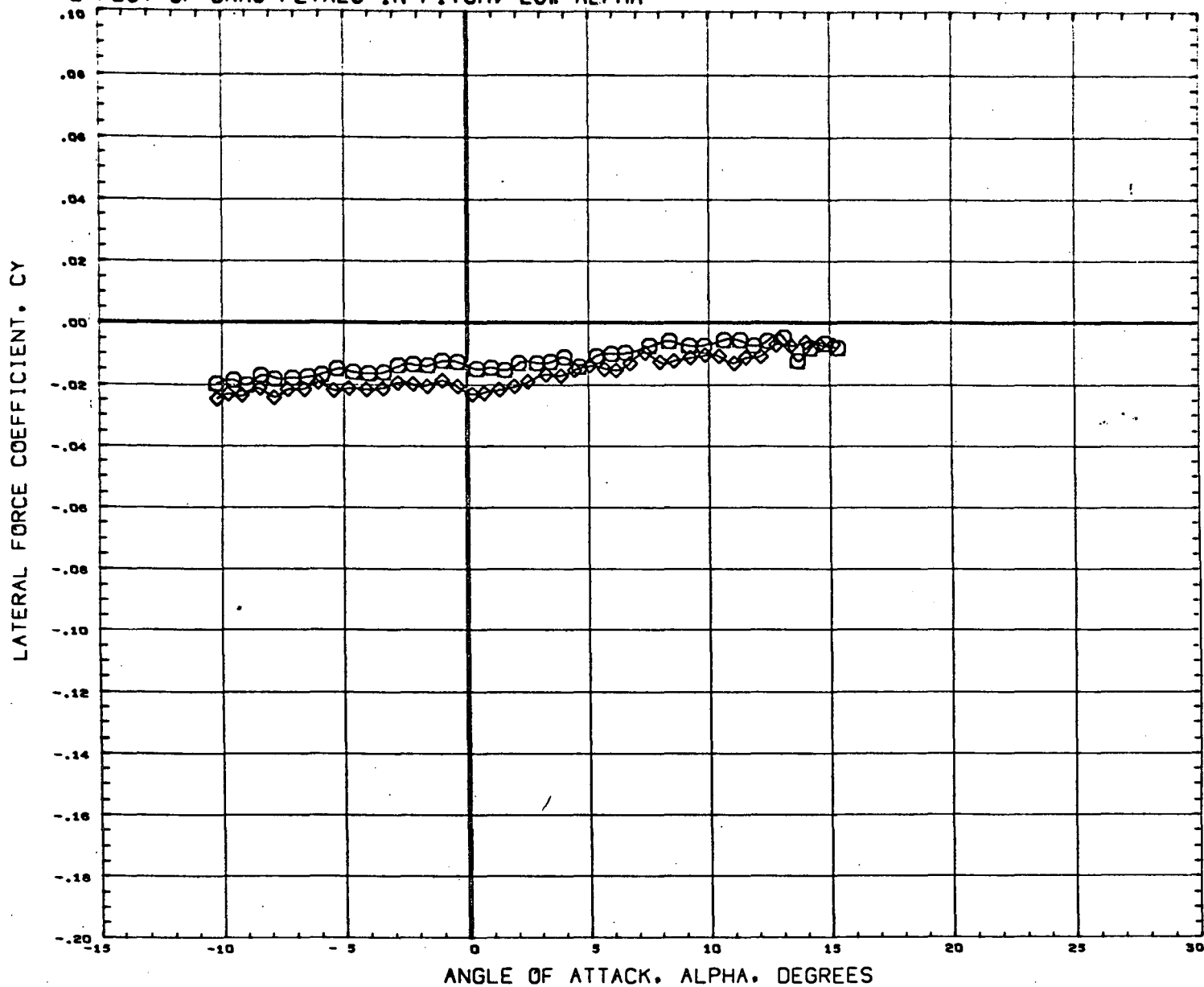
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

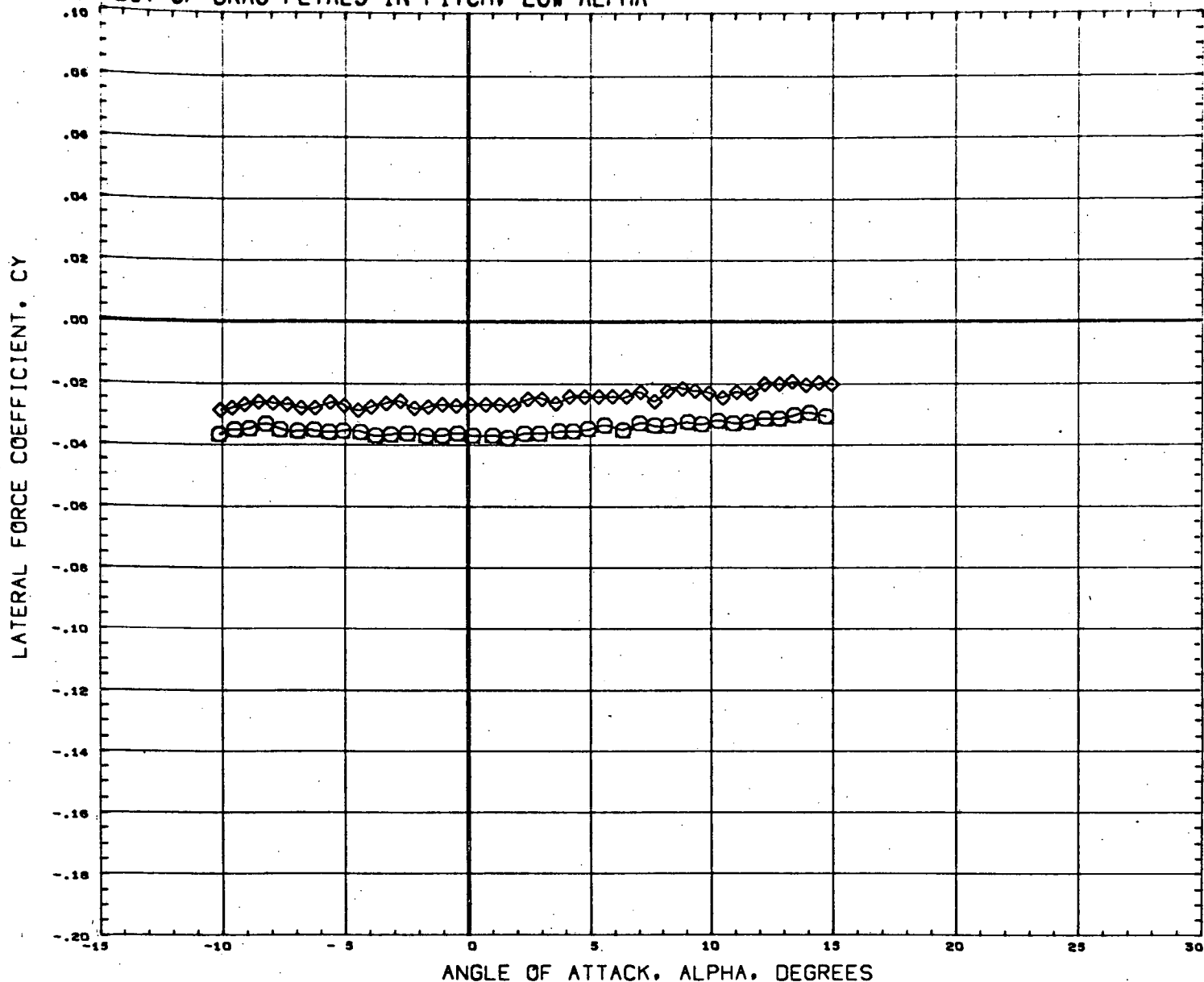


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



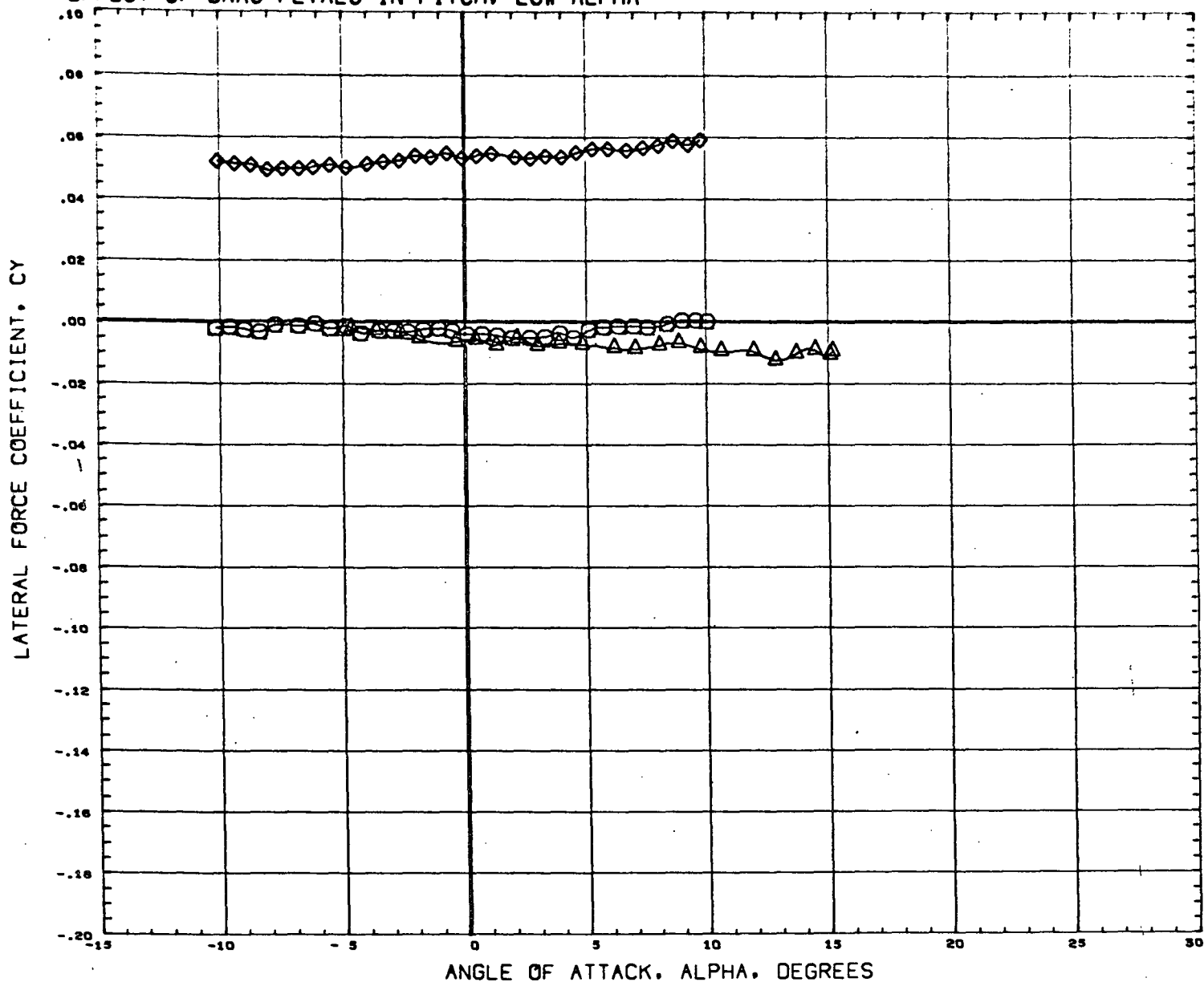
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(R08401)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(R08361)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(A08351)	◇	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.51

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



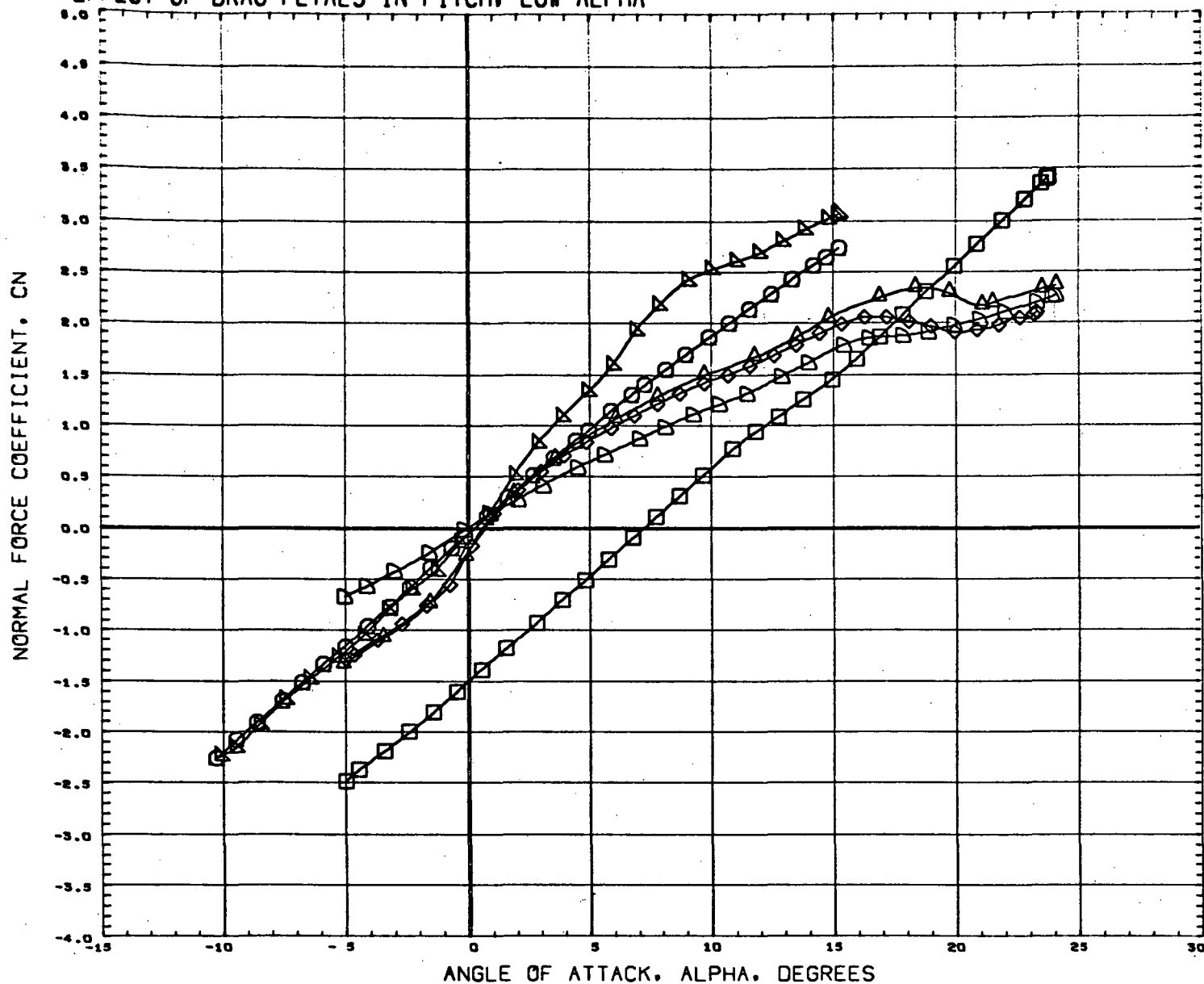
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8361)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D1.5V6	0.000	0.000	LREF	14.6830 INCHES
(AD8351)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D4.5V6	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4V6.1
(R08322)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1
(R08331)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.5V6.1
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1
(R08201)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4

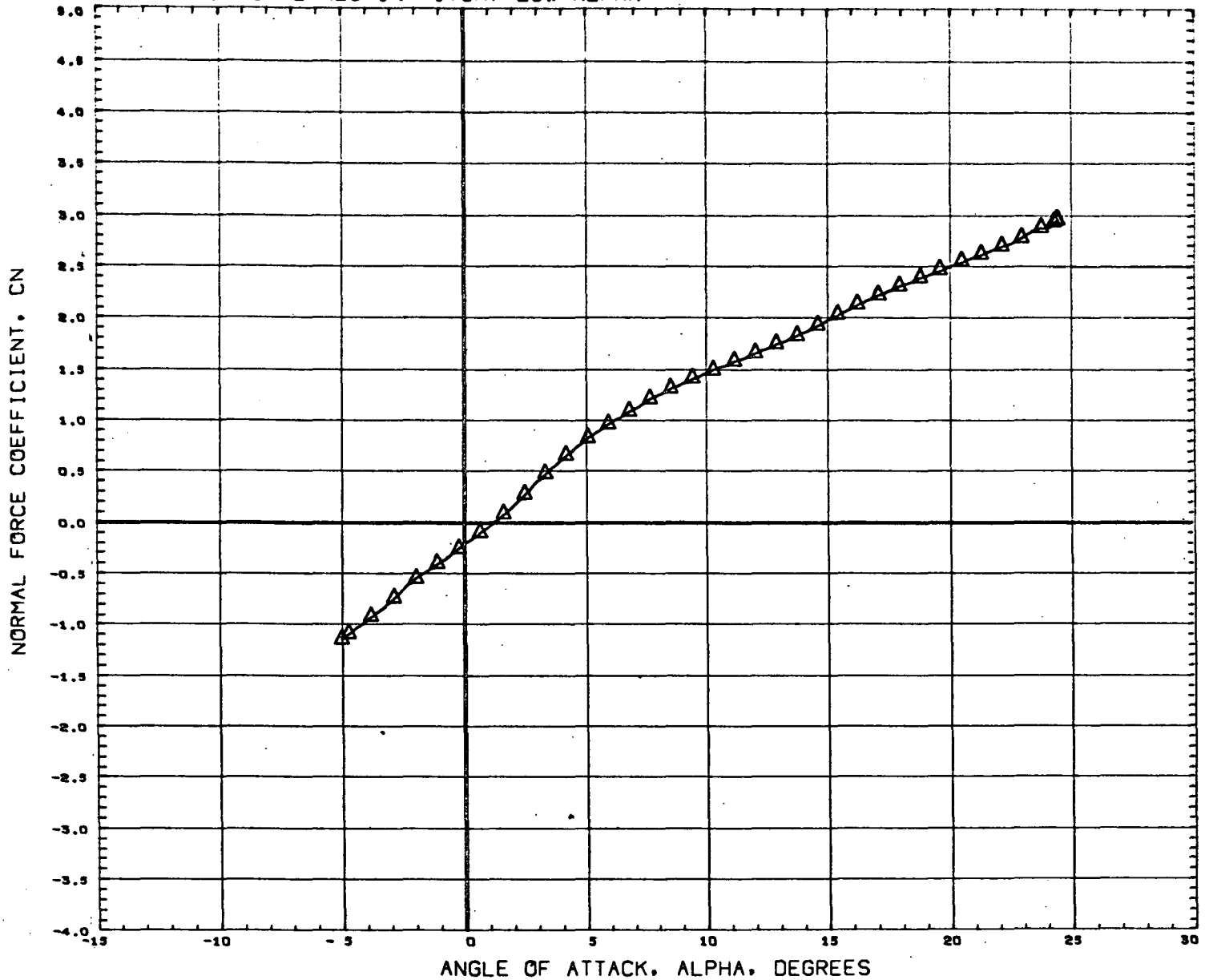
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

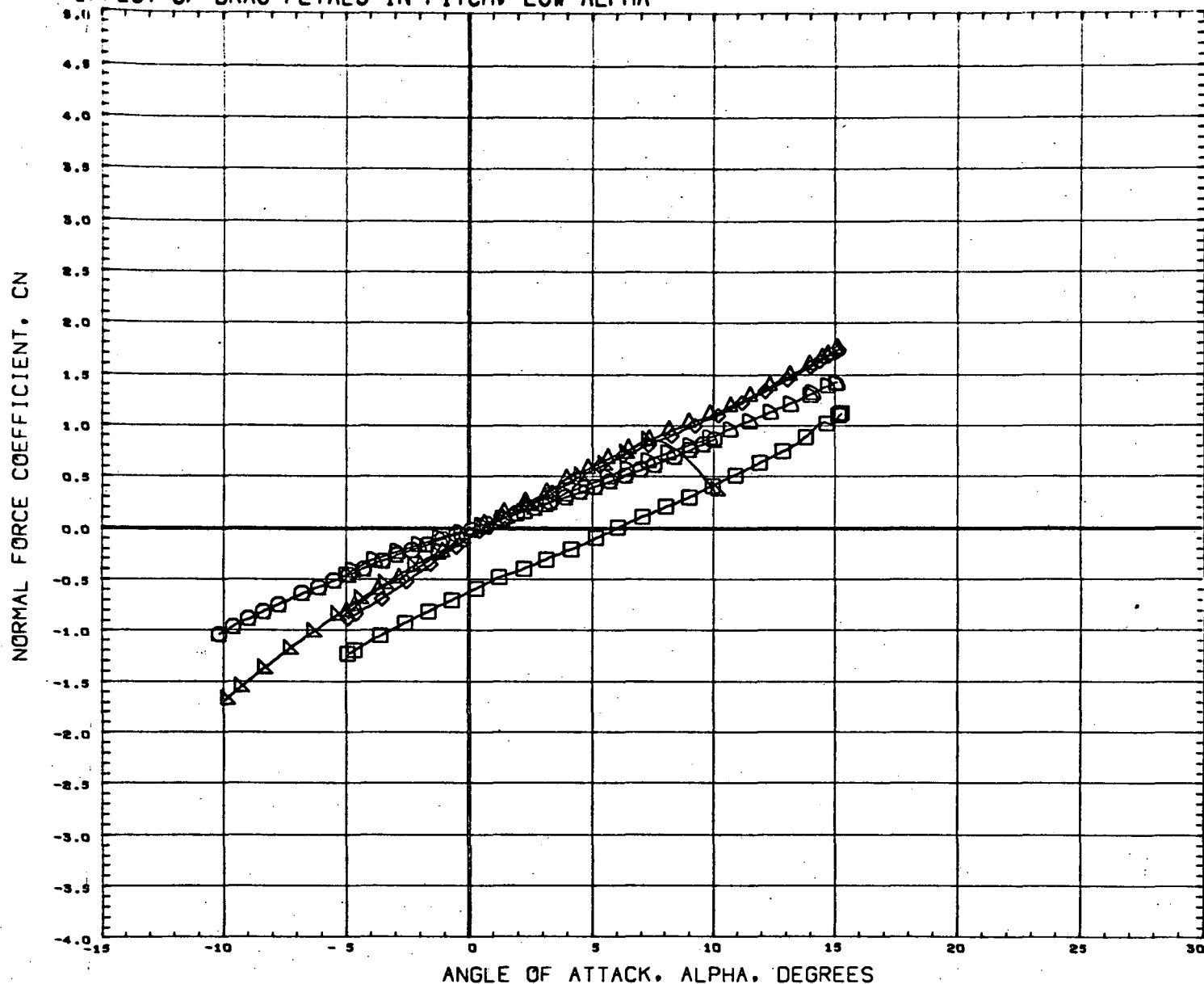


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(W08301)	BTWT 1292/BSWT 557 PR-FED BRB 85S3D9.4V6.1	0.000	0.000	LREF	14.6830 INCHES
(RD8322)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
(RD8331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	XMRP	0.6000 LBODY
(AD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	YMRP	0.0000 INCHES
(RD8201)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.00

PAGE 350

# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA

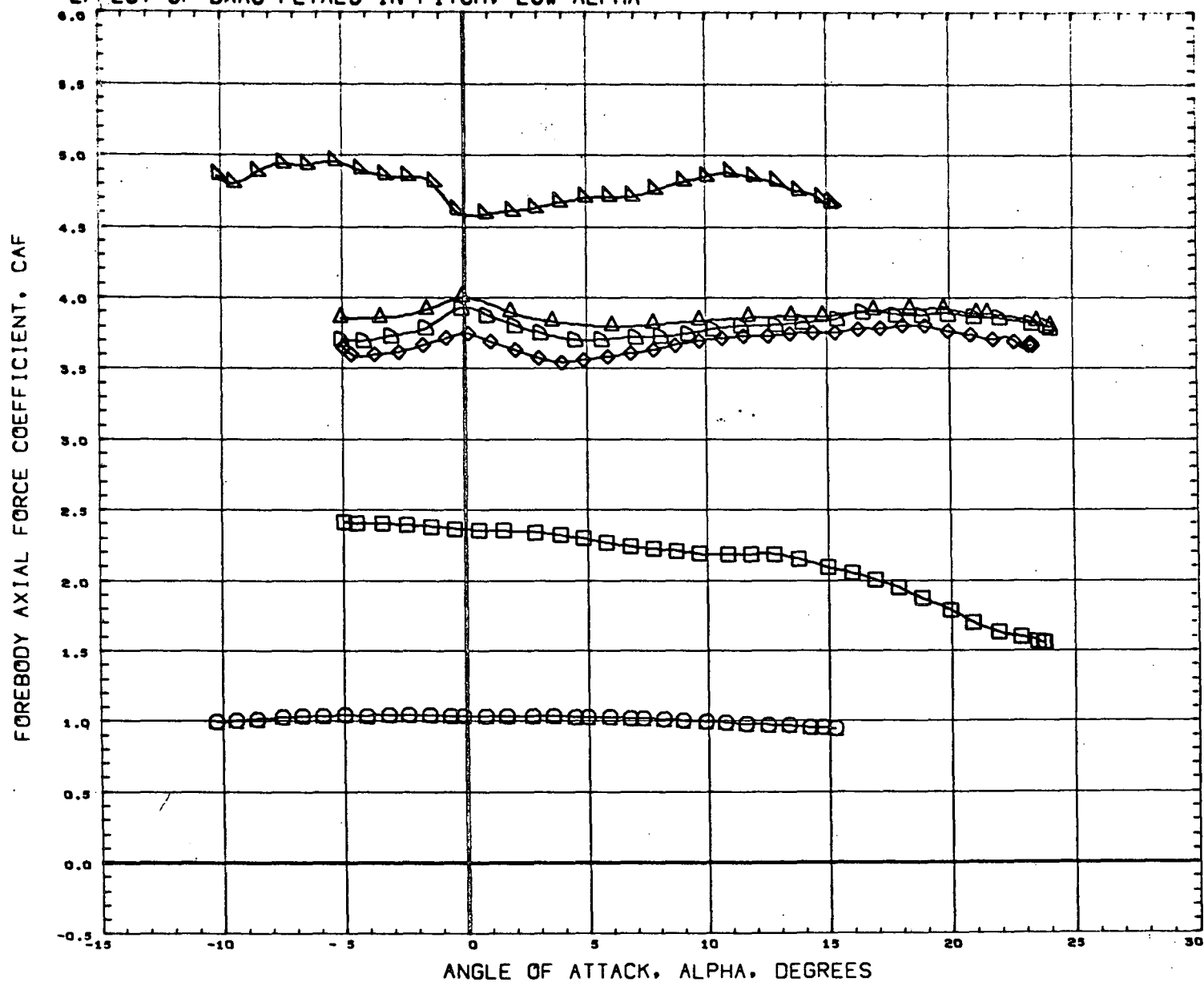


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B5S309.4V6.1	0.000	0.000	LREF 14.6830 INCHES
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB B5S3010.4V6.1	0.000	0.000	BREF 14.6830 INCHES
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB B5S3010.5V6.1	0.000	0.000	XMRP 0.6000 LB/OY
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3010.6V6.1	0.000	0.000	YMRP 0.0000 INCHES
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4	0.000	0.000	ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

PAGE 351

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



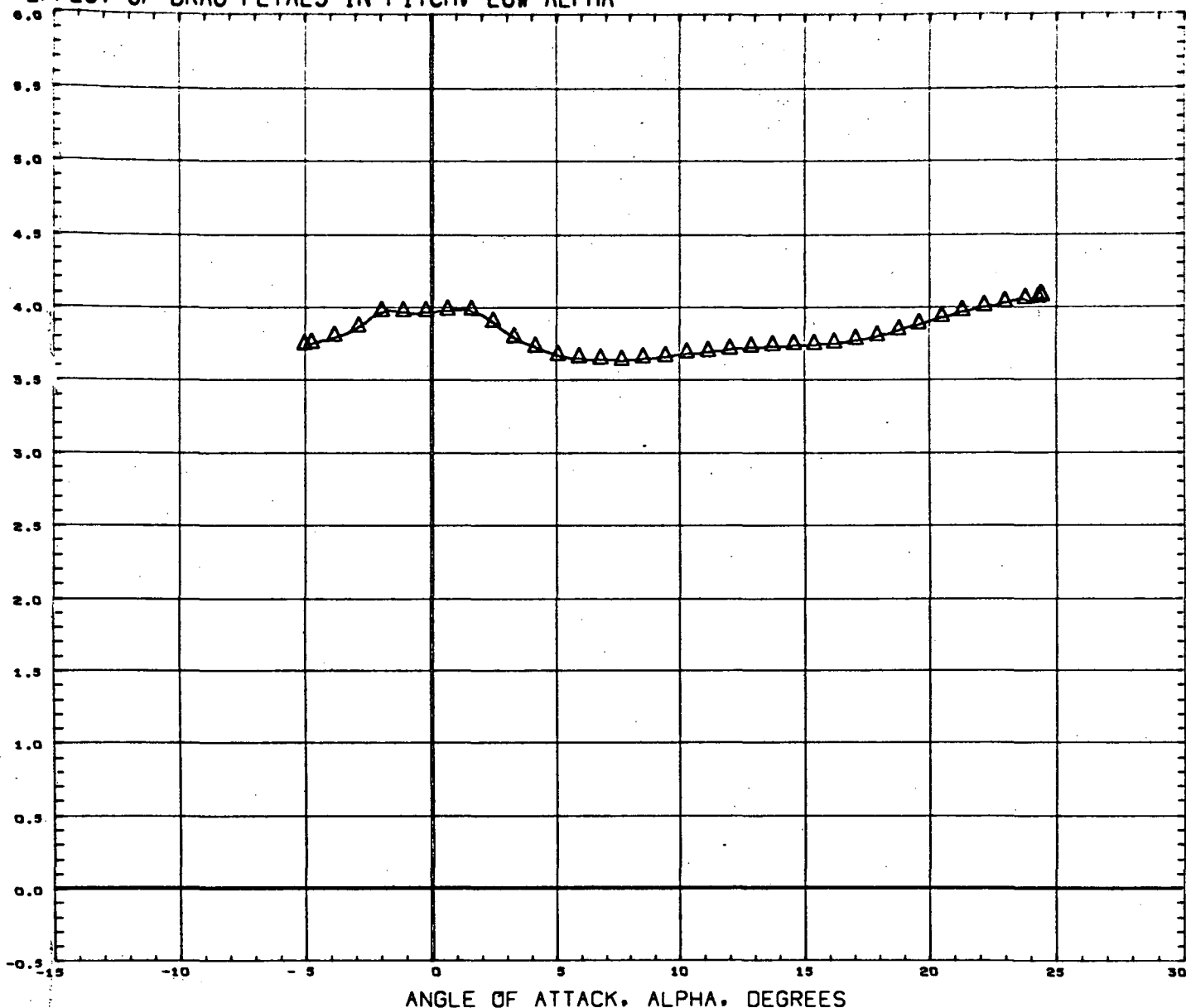
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4V6.1	0.000	0.000	LREF	14.6830 INCHES
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000	BREF	14.6830 INCHES
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.5V6.1	0.000	0.000	XMRP	0.6000 LBODY
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000	YMRP	0.0000 INCHES
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4	0.000	0.000	ZMRP	0.0000 INCHES
				SCALE	0.8699 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)		DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8301)		BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1
(RD8322)		DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8331)		DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8341)		DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8201)		DATA NOT AVAILABLE FOR ALL CONDITIONS

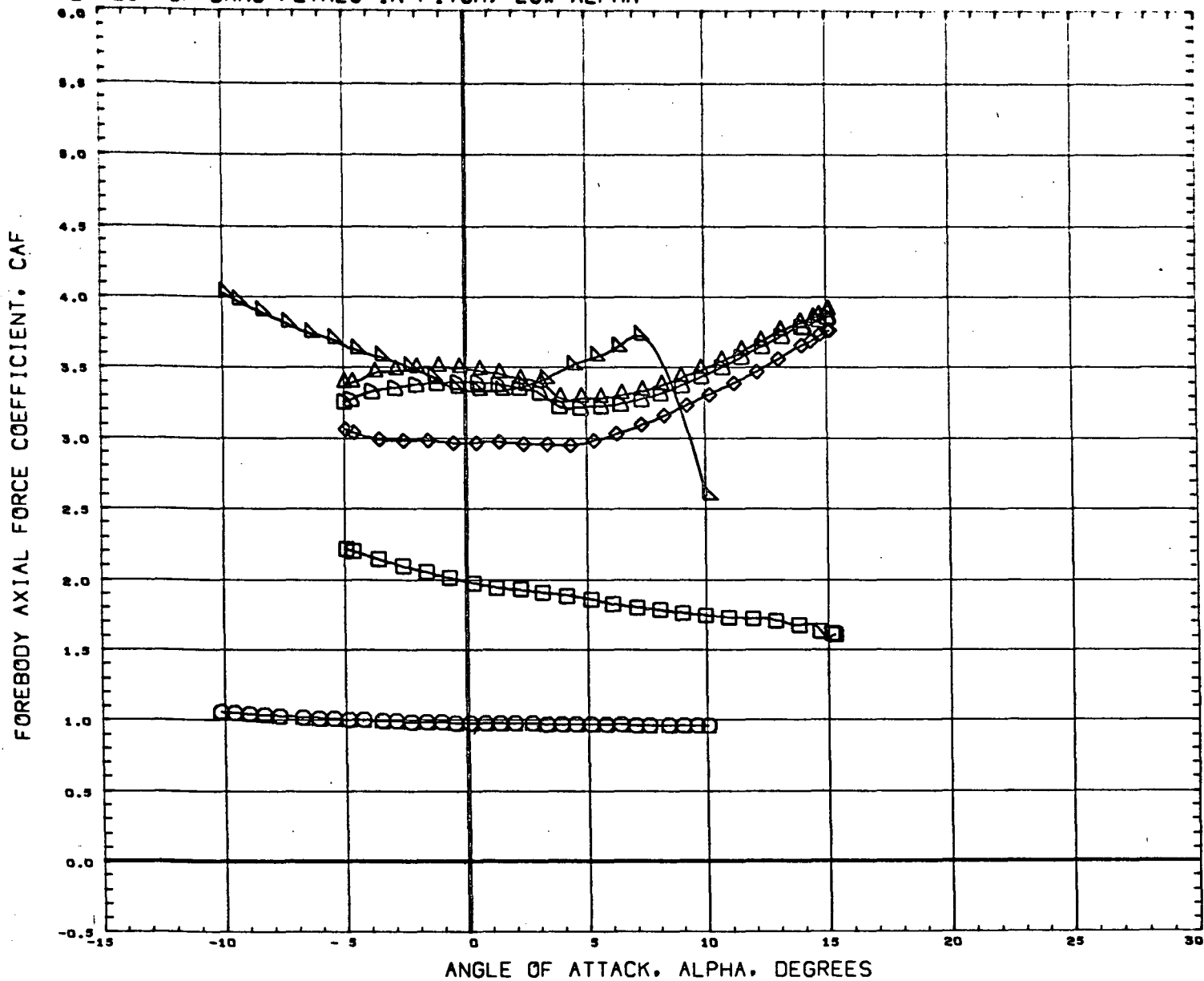
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 2.00

PAGE 353

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

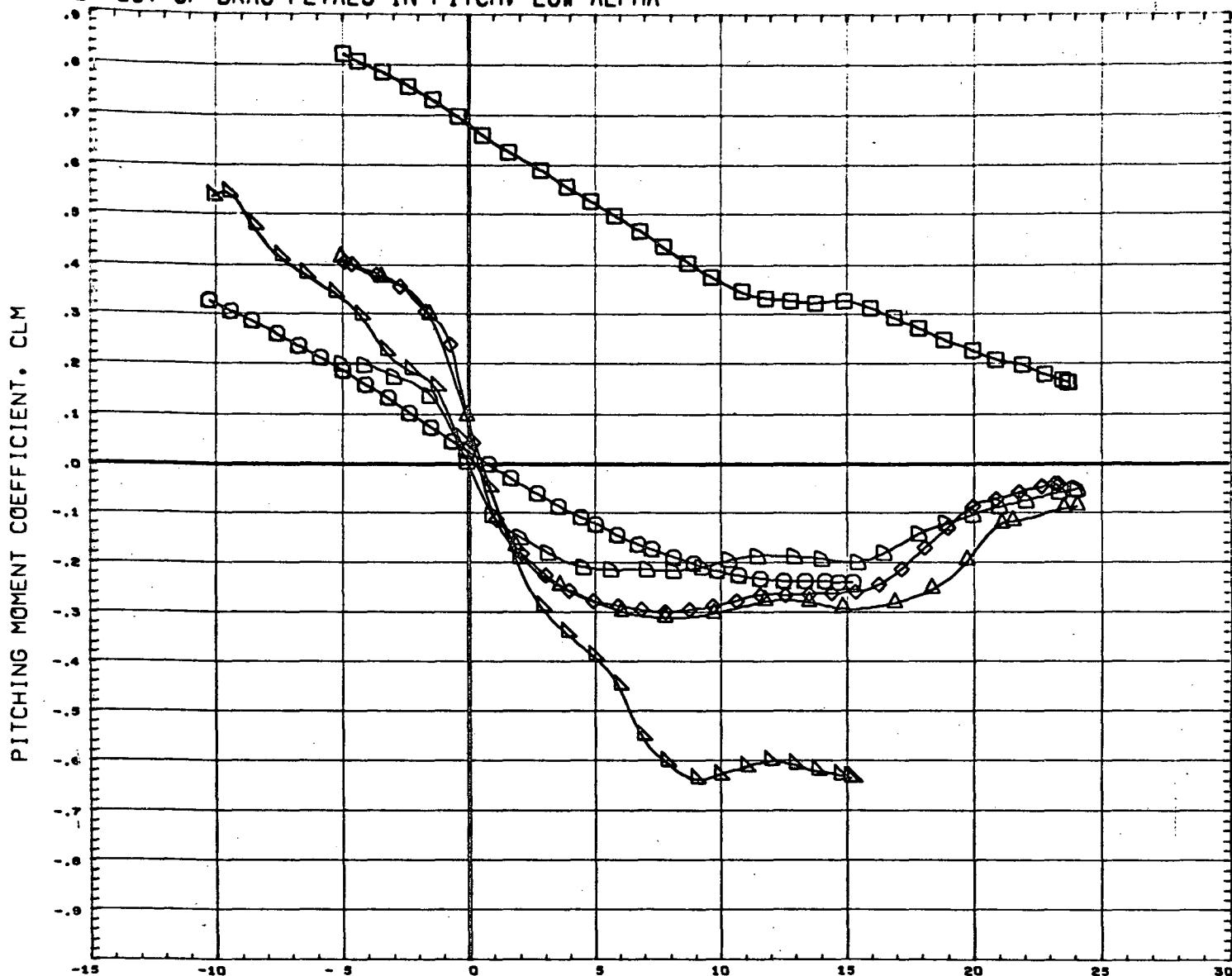


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4V6.1	0.000	0.000	LREF 14.6830 INCHES
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000	BREF 14.6830 INCHES
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.5V6.1	0.000	0.000	XMRP 0.6000 LBODY
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000	YMRP 0.0000 INCHES
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4	0.000	0.000	ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



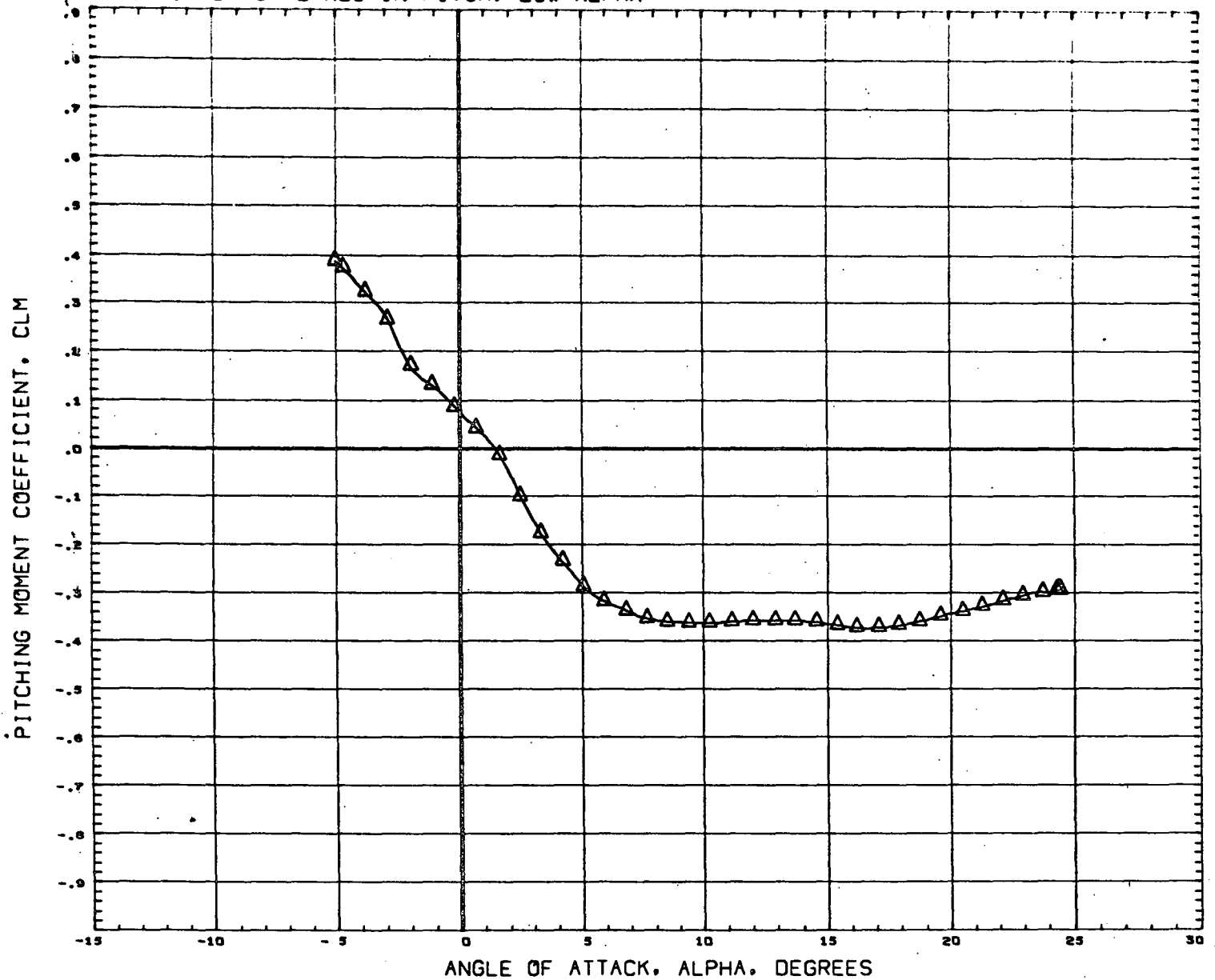
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8401)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8301)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D9.4V6.1	0.000	0.000	LREF 14.6830 INCHES
(RD8322)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000	BREF 14.6830 INCHES
(RD8331)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.5V6.1	0.000	0.000	XMRP 0.6000 LBODY
(AD8341)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000	YMRP 0.0000 INCHES
(RD8201)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D9.4	0.000	0.000	ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

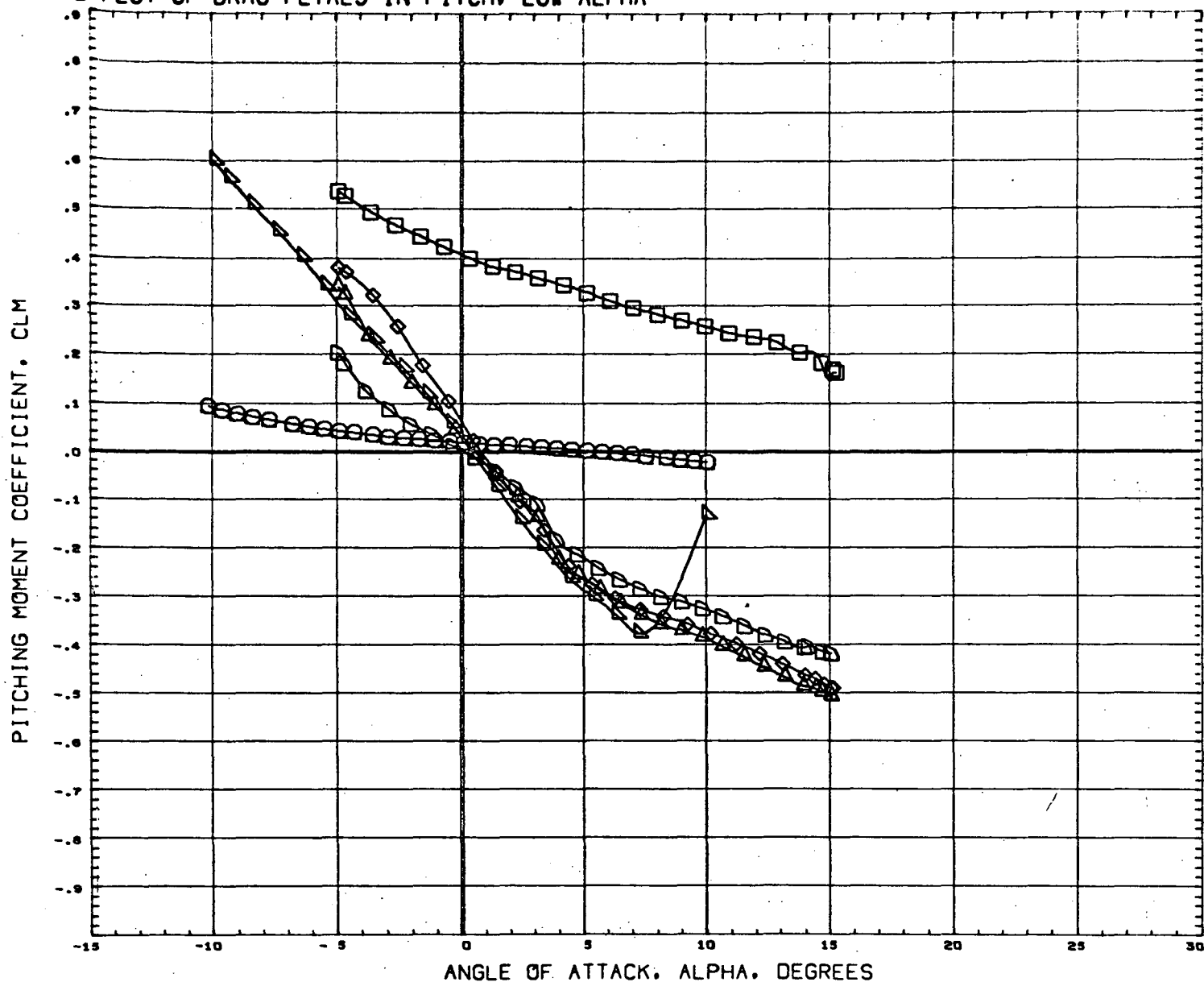


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B53309.4V6.1	0.000	0.000	LREF	14.6830 INCHES
(R08322)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
(R08331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	XMRP	0.6000 LBODY
(AD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	YMRP	0.0000 INCHES
(R08201)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 2.00



# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.5V6.1
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4

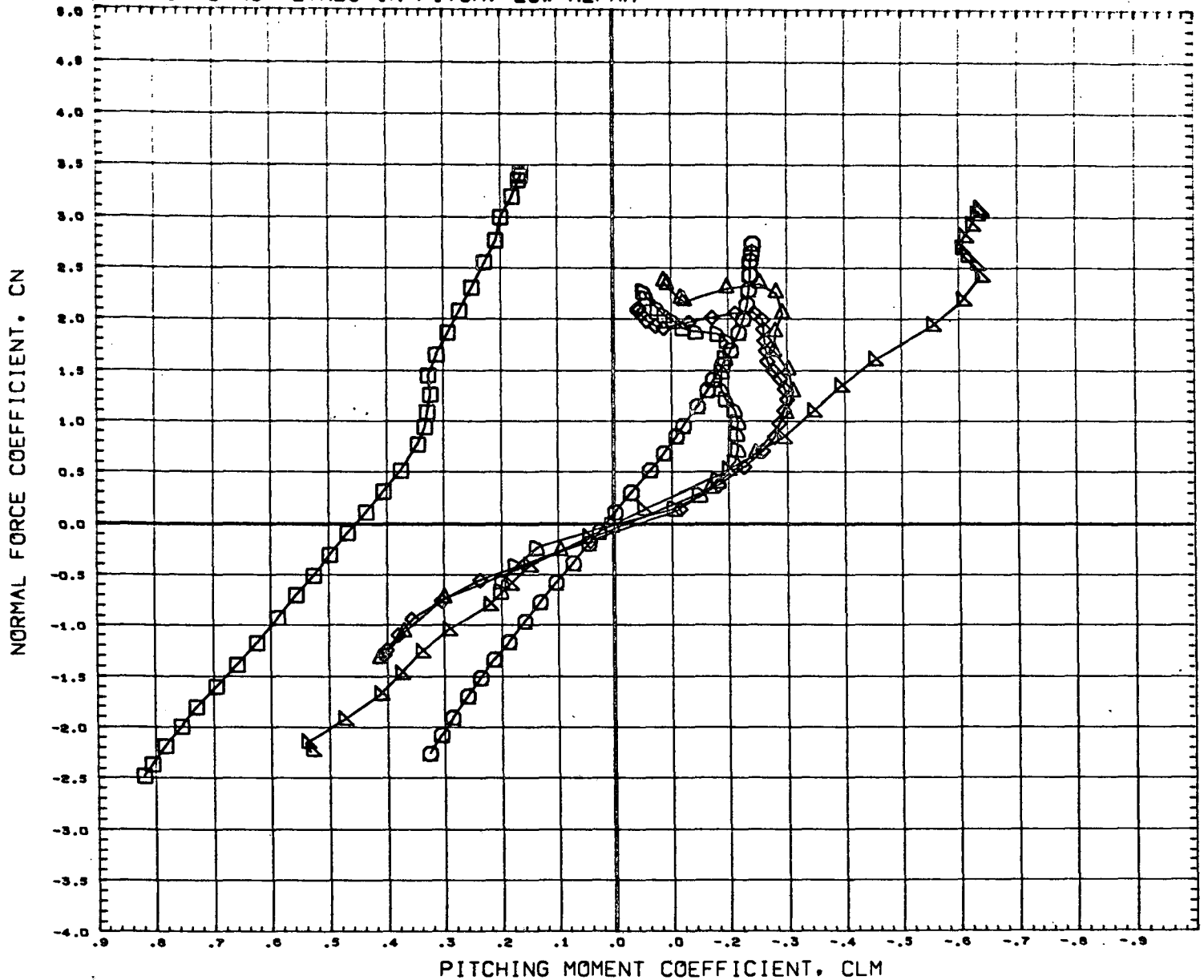
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

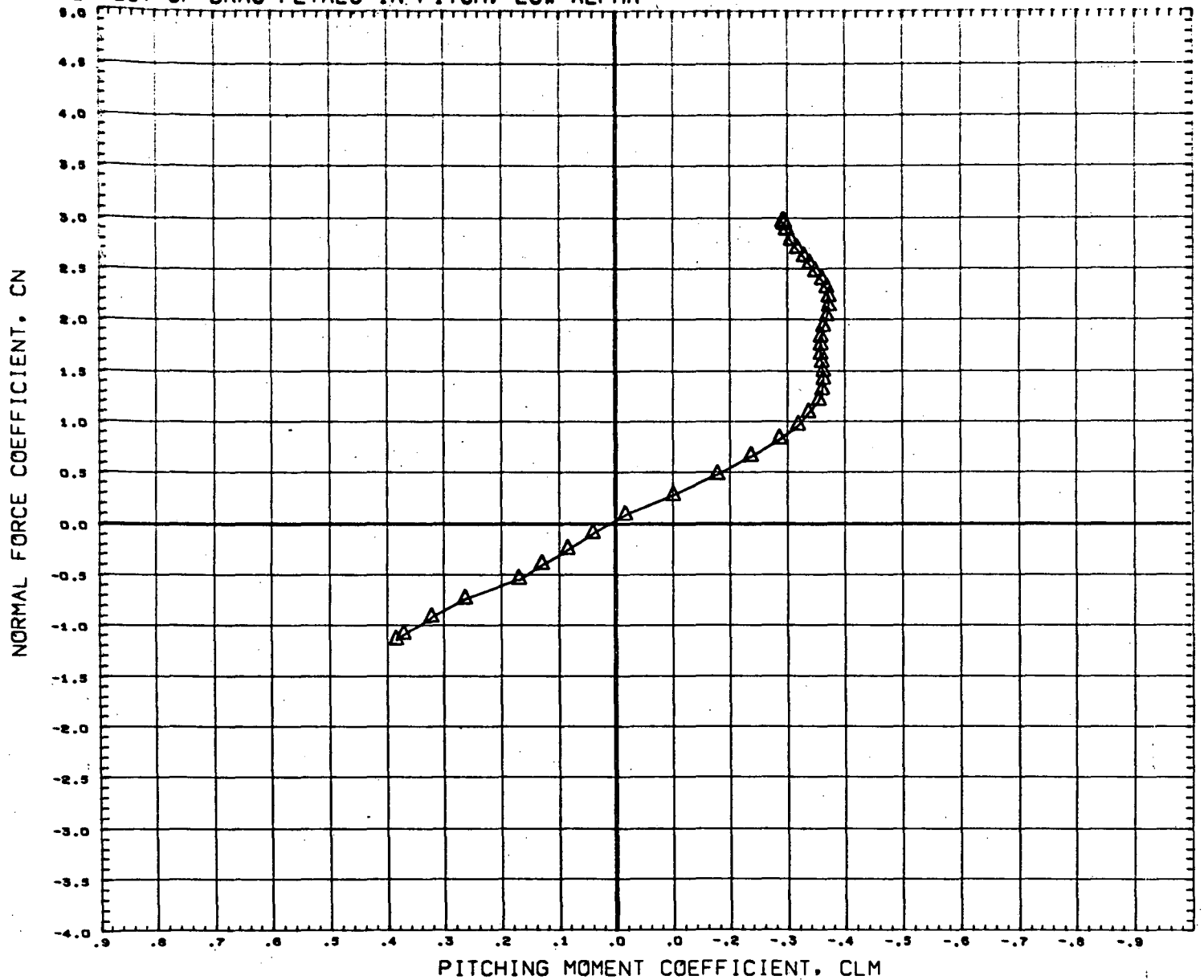


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	SREF 9.7500 SQ. IN.
(W08301)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1	0.000	0.000	LREF 14.6830 INCHES
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	0.000	0.000	BREF 14.6830 INCHES
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.5V6.1	0.000	0.000	XMRP 0.6000 LB00Y
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1	0.000	0.000	YMRP 0.0000 INCHES
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4	0.000	0.000	ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B553D9.4V6.1
(RD9322)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8331)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8201)	DATA NOT AVAILABLE FOR ALL CONDITIONS

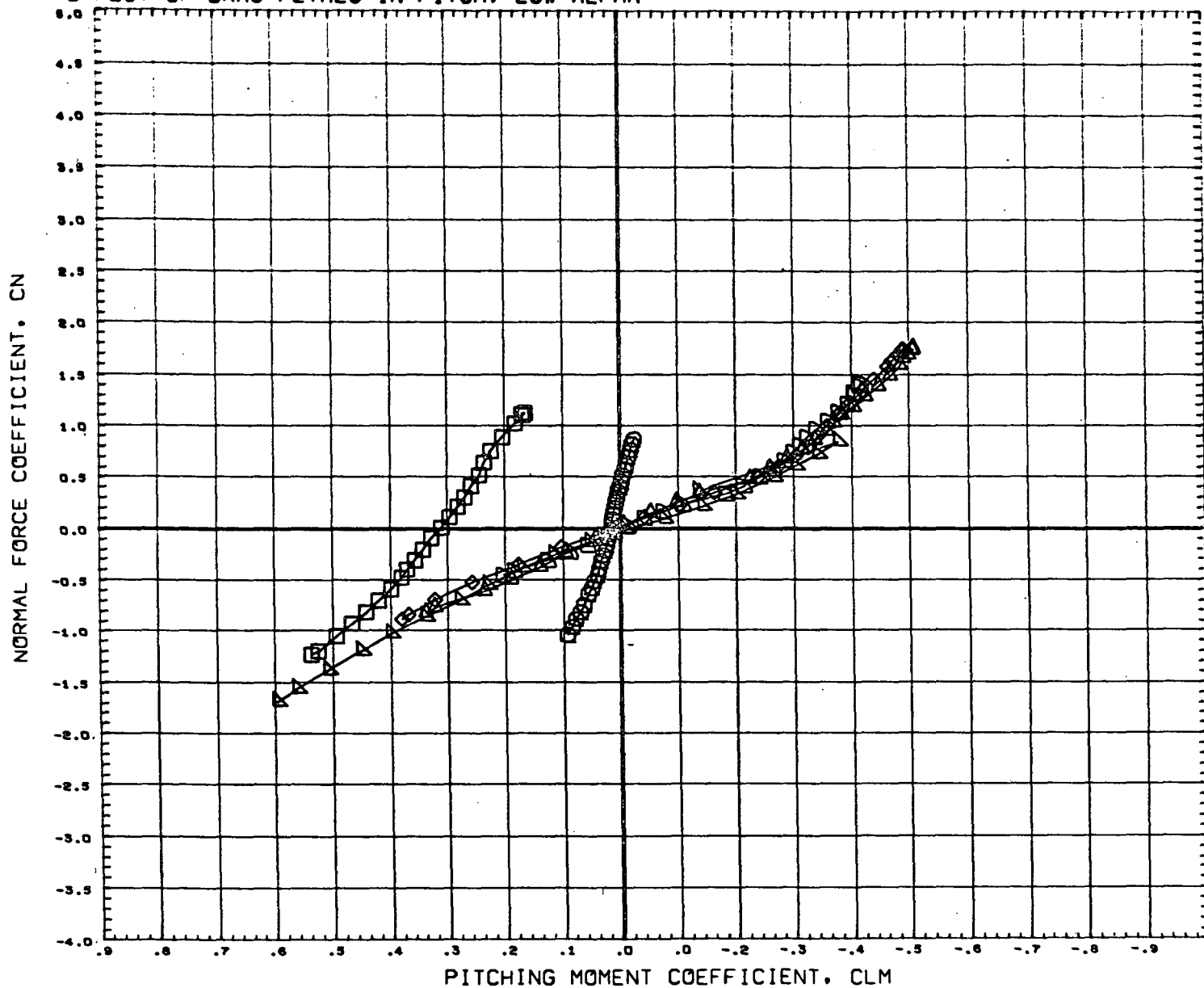
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



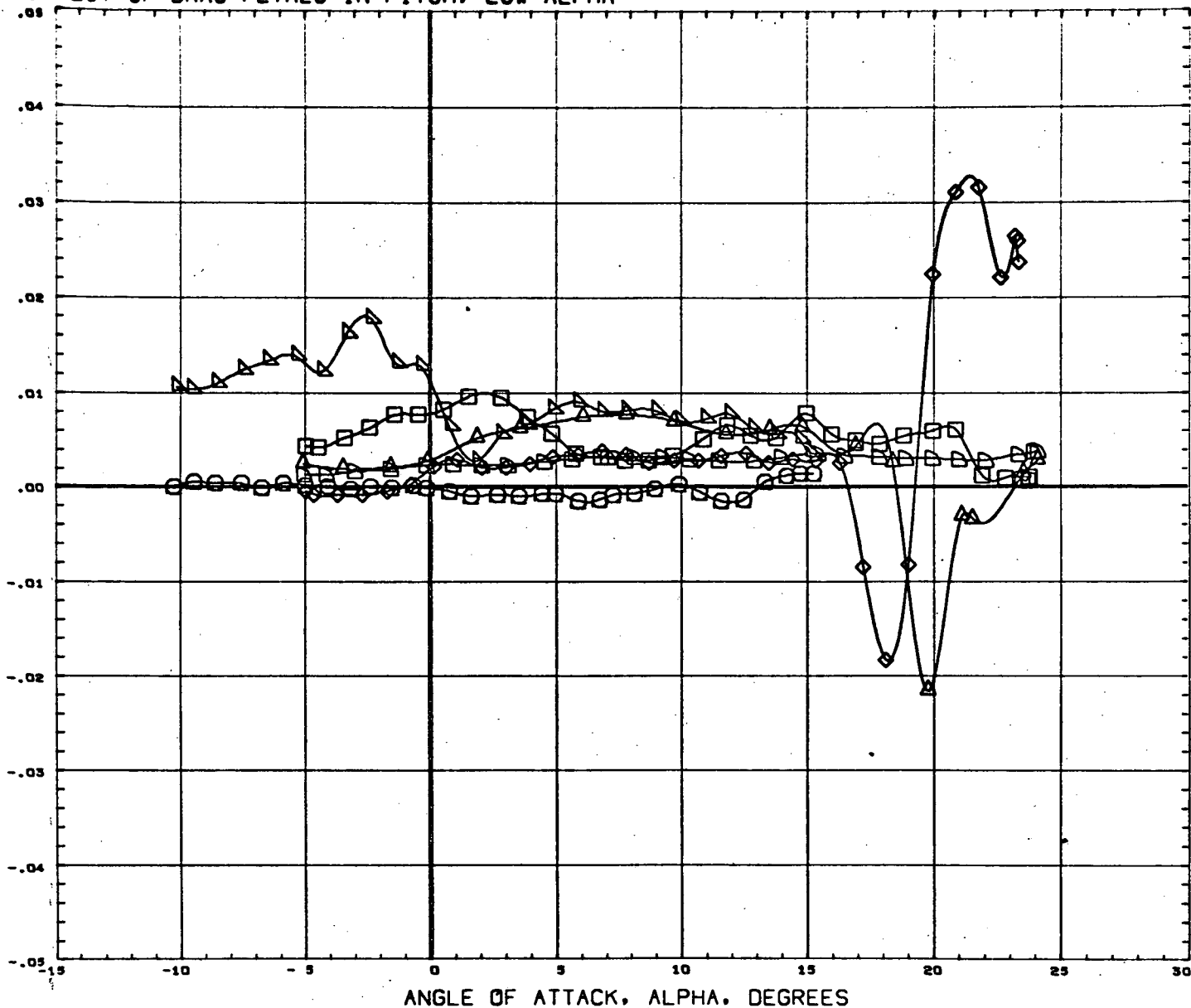
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4V6.1	0.000	0.000	LREF 14.6830 INCHES
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000	BREF 14.6830 INCHES
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.5V6.1	0.000	0.000	XMRP 0.6000 LBODY
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000	YMRP 0.0000 INCHES
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4	0.000	0.000	ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.5V6.1
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4

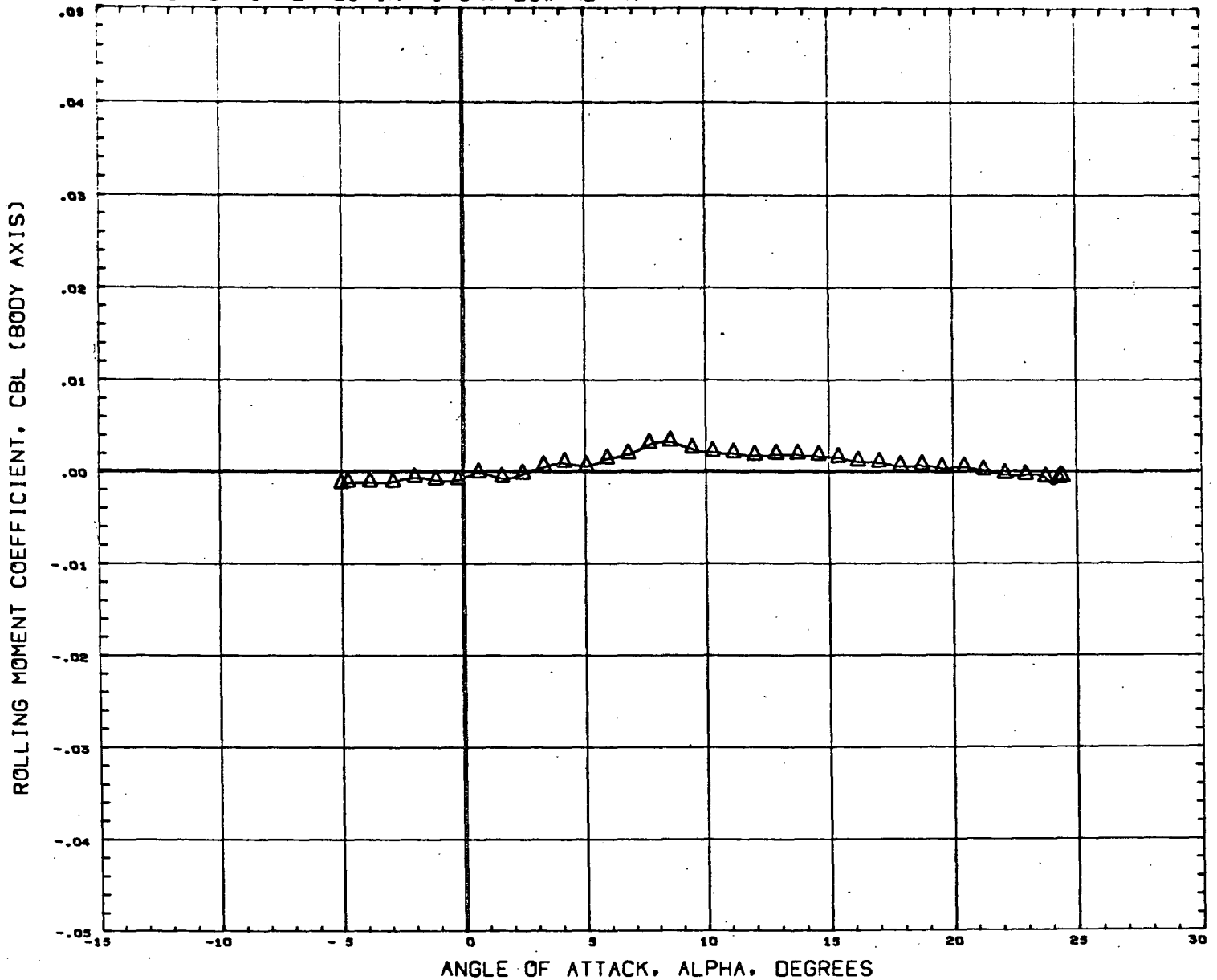
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

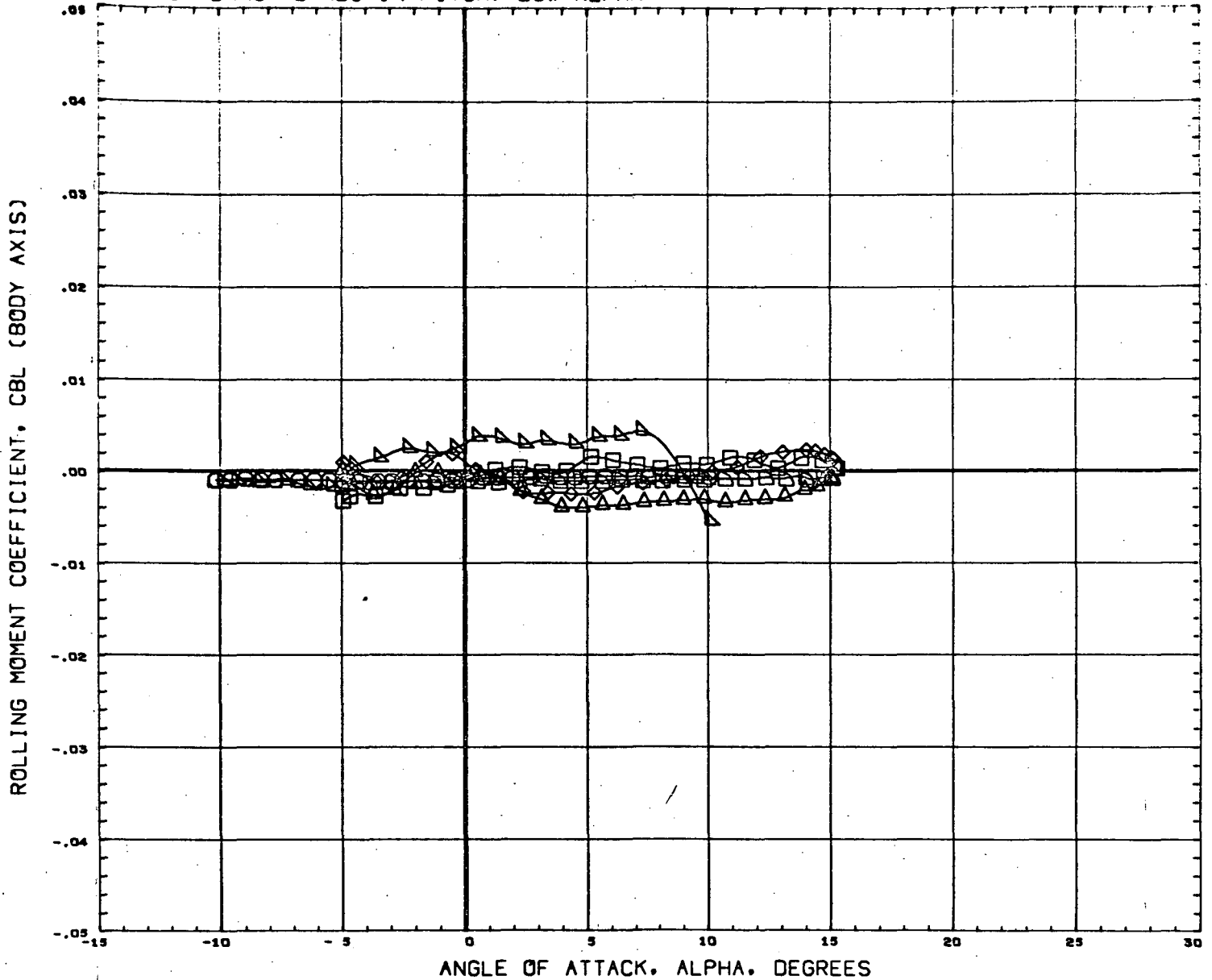


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ.IN.
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1	0.000	0.000	LREF	14.6830 INCHES
(RD8322)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
(RD8331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	XMRP	0.6000 LBODY
(AD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	YMRP	0.0000 INCHES
(RD8201)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL . CONFIGURATION DESCRIPTION

(A08401)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6
(W08301)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D9.4V6.1
(R08322)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D10.4V6.1
(R08331)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D10.5V6.1
(A08341)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D10.6V6.1
(R08201)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3D9.4

BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

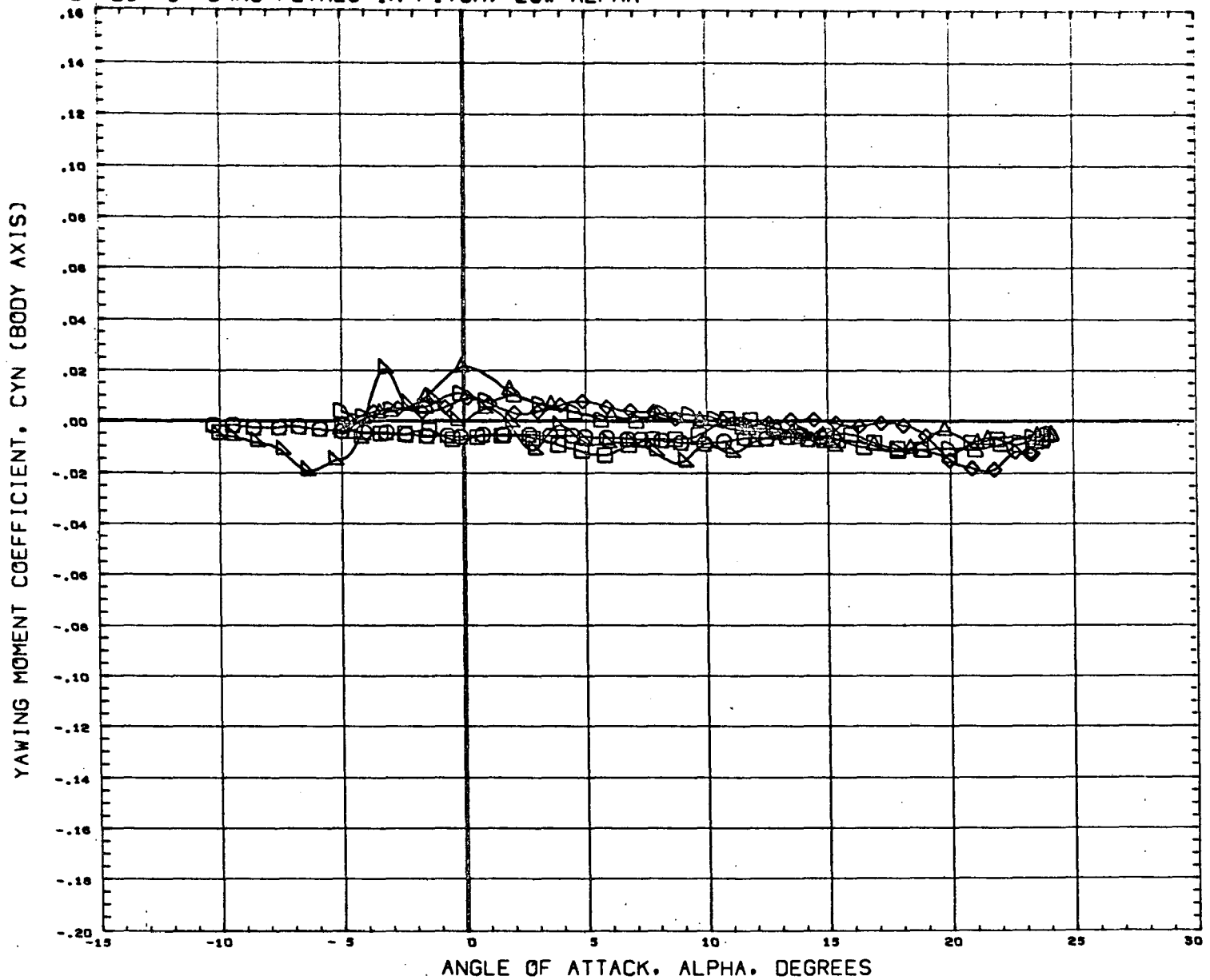
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



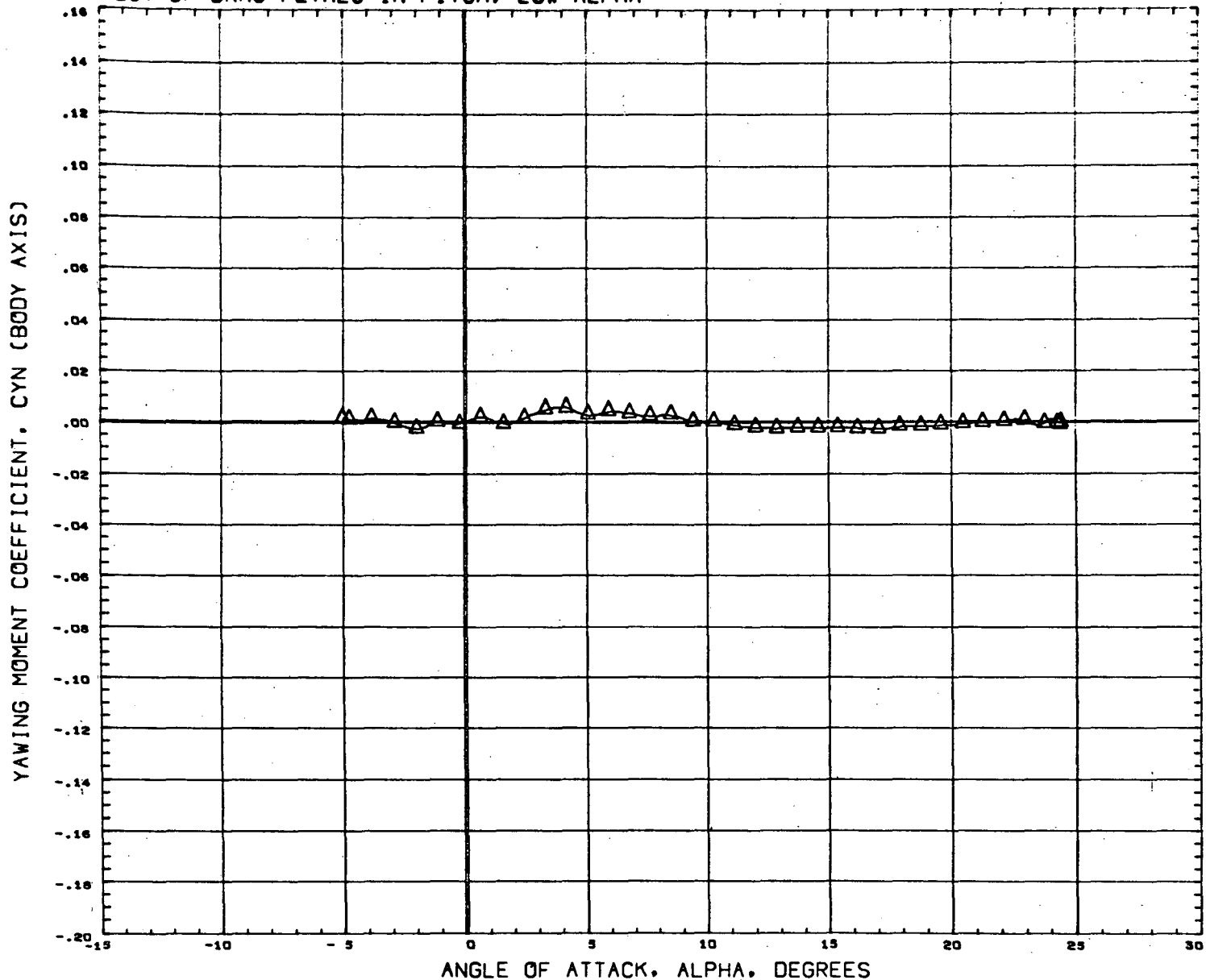
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	SREF 9.7500 SQ. IN.
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1	0.000	0.000	LREF 14.6630 INCHES
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	0.000	0.000	BREF 14.6630 INCHES
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.5V6.1	0.000	0.000	XMRP 0.6000 LBODY
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1	0.000	0.000	YMRP 0.0000 INCHES
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4	0.000	0.000	ZMRP 0.0000 INCHES
				SCALE 0.6699 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(WD8301)	BTWT 1292/BSWT 557 PR-FED BRB B5S3D9.4V6.1	0.000	0.000	LREF	14.6830 INCHES
(RD8322)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
(RD8331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	XMRP	0.6000 LBODY
(AD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	YMRP	0.0000 INCHES
(RD8201)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

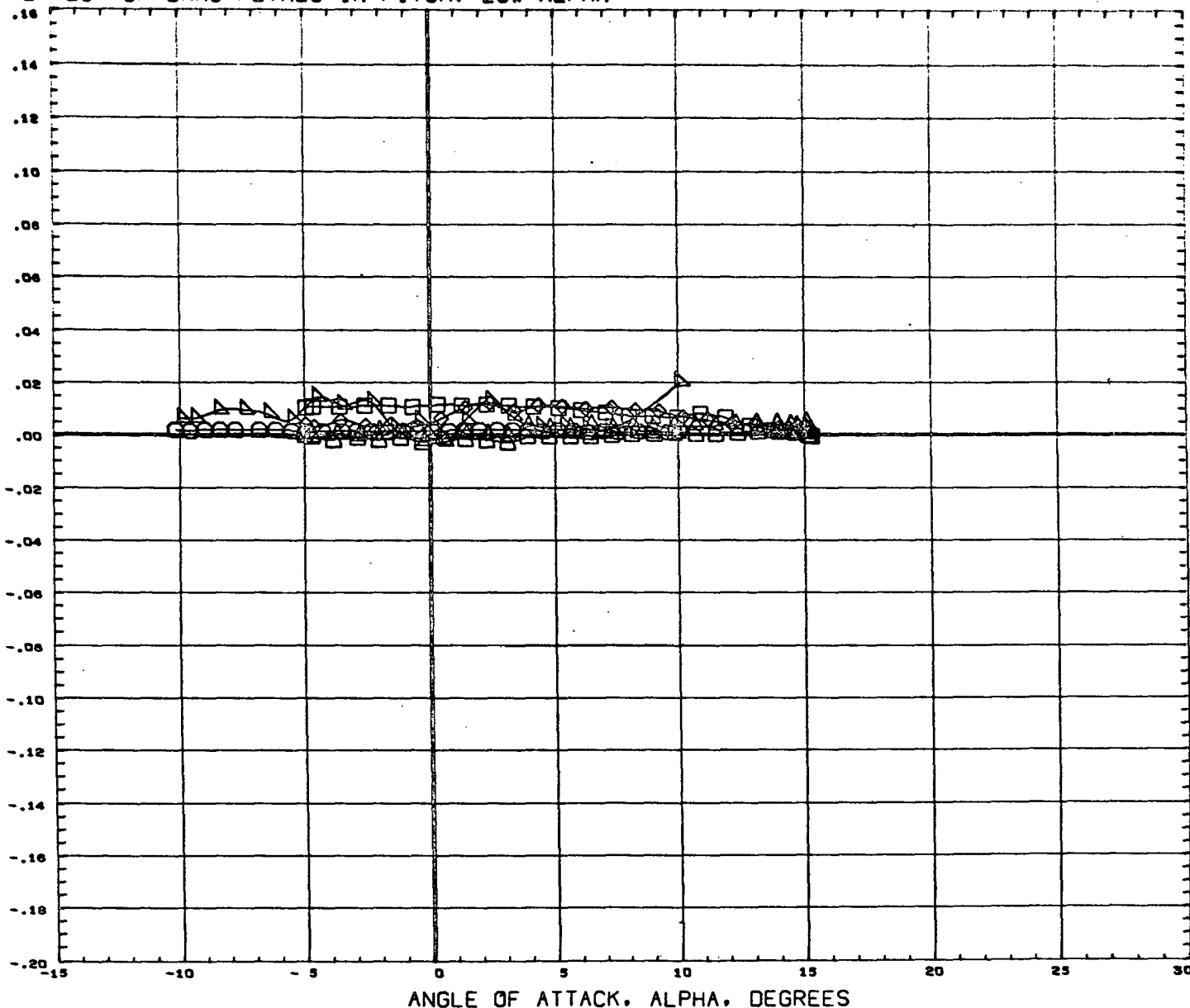
MACH

2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)		BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(AD8301)		BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1
(RD8322)		BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1
(RD8331)		BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.5V6.1
(AD8341)		BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1
(RD8201)		BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4

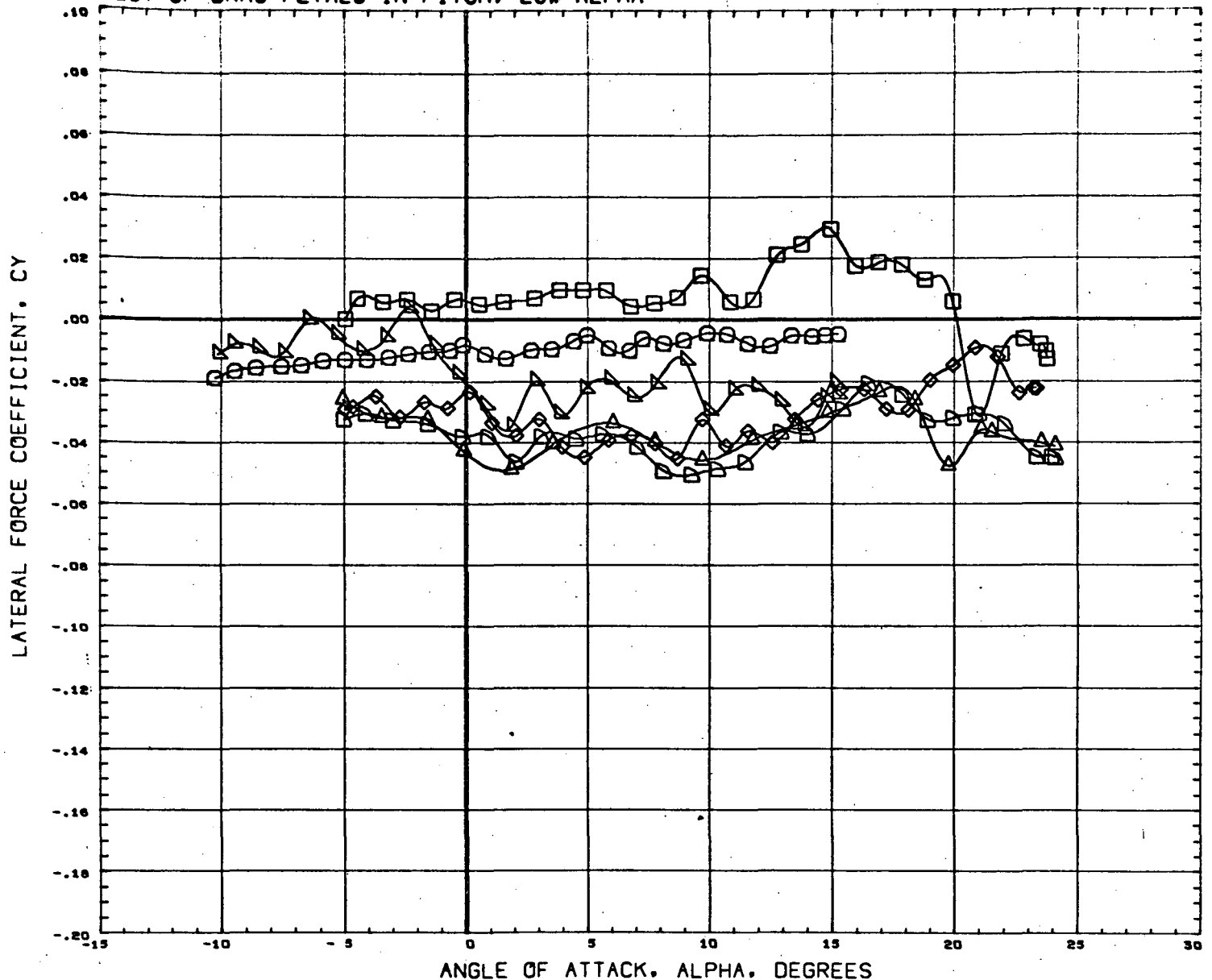
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.5V6.1
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4

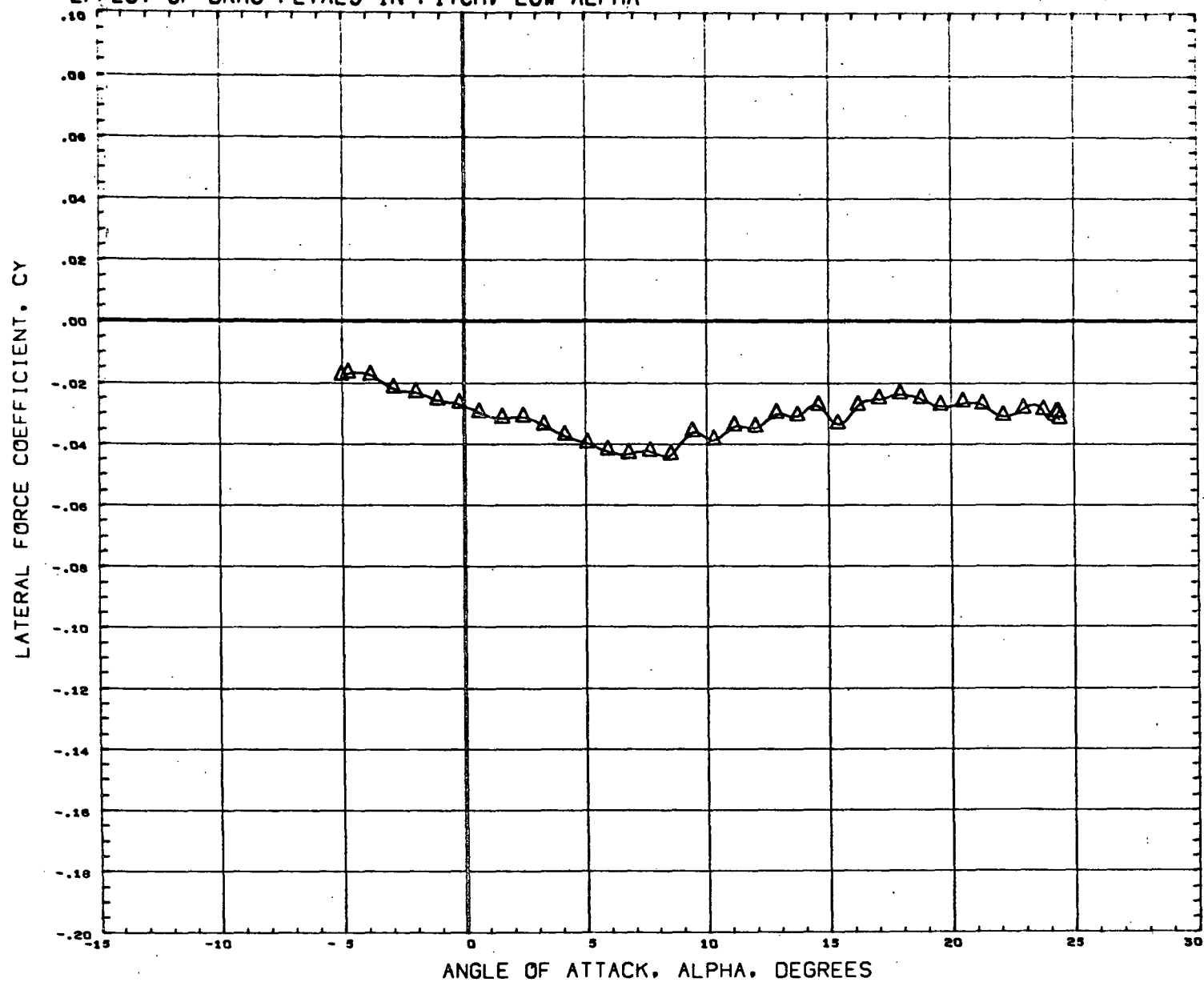
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB B553D9.4V6.1
(RD8322)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8331)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(AD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8201)	DATA NOT AVAILABLE FOR ALL CONDITIONS

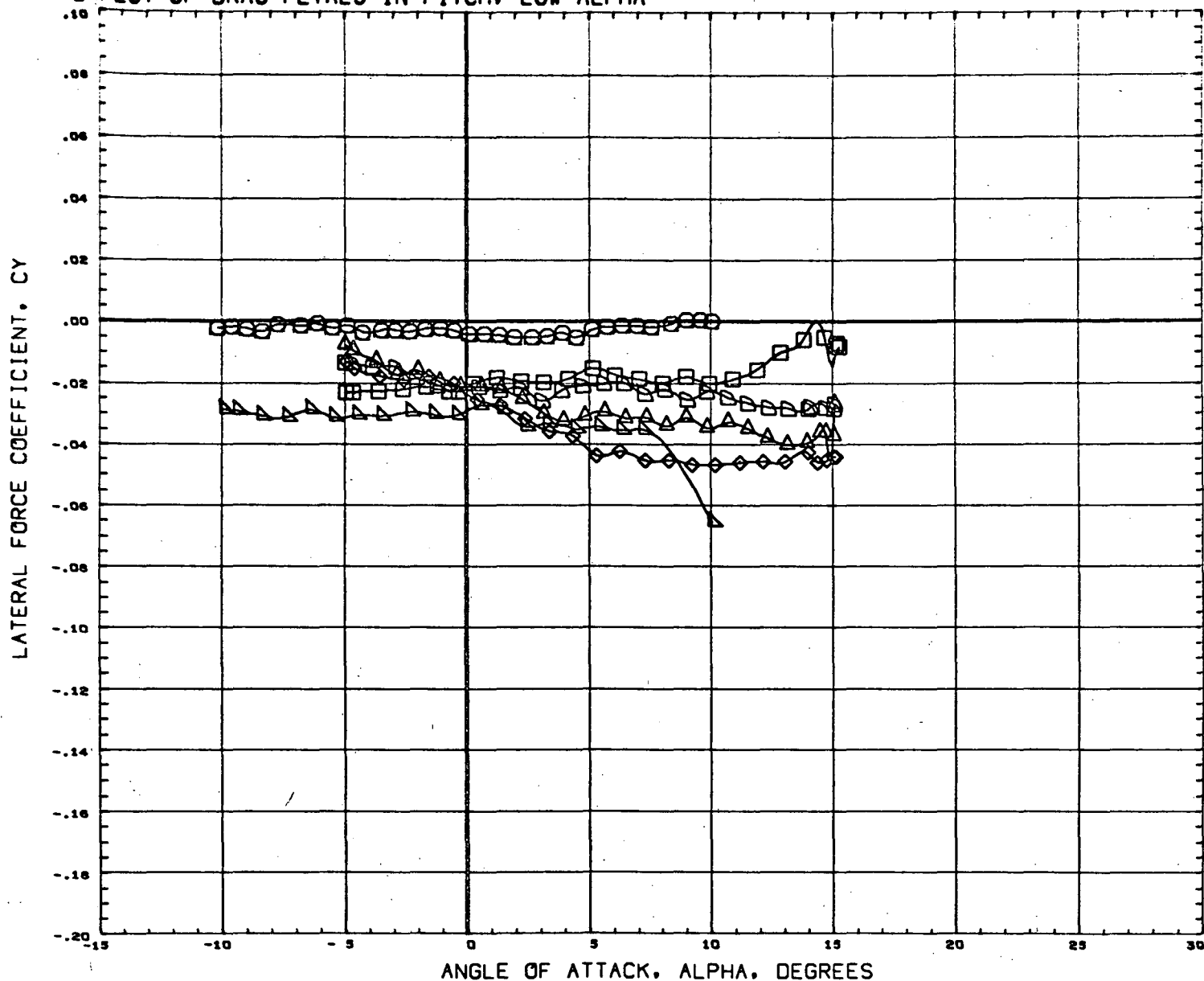
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH 2.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



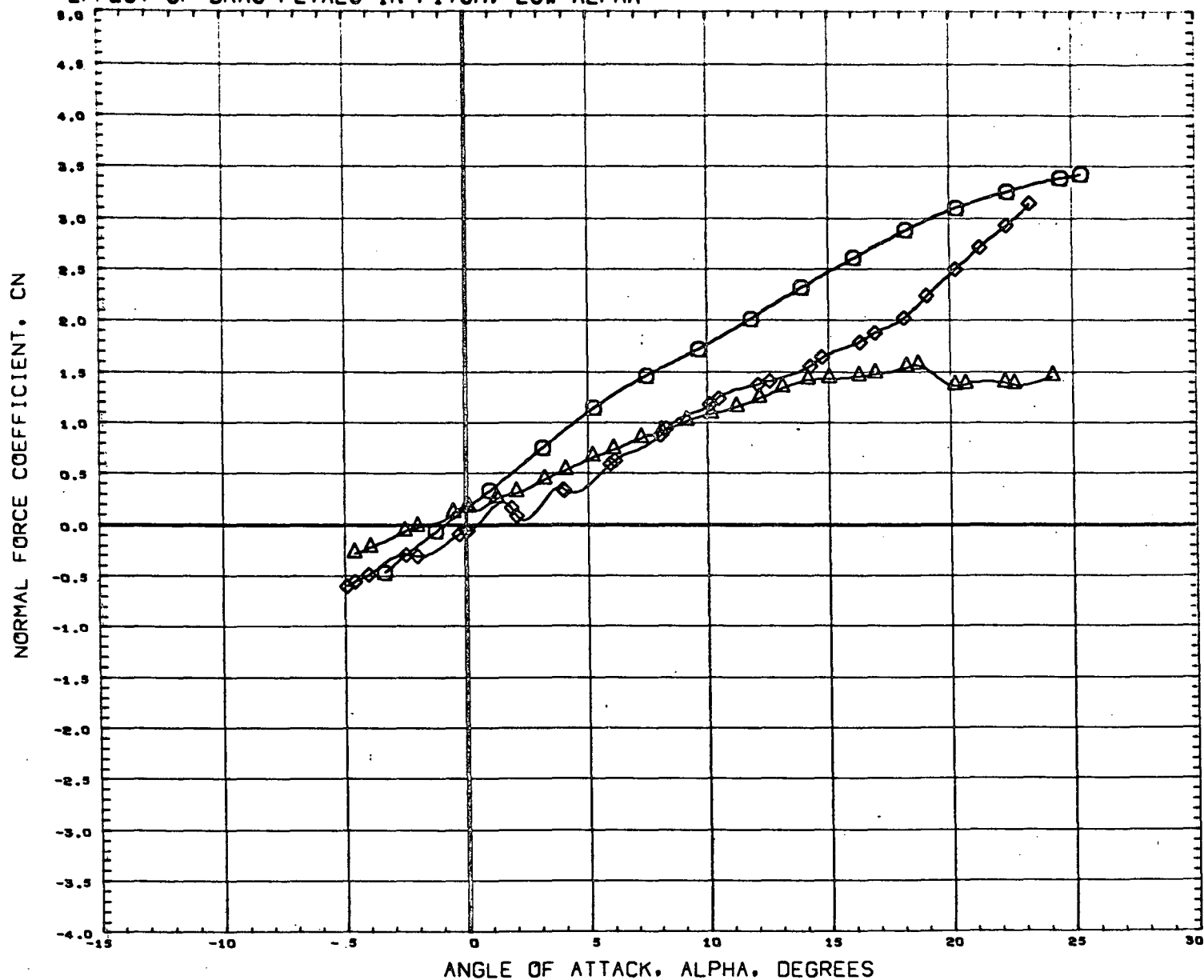
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000
(WD8301)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4V6.1	0.000	0.000
(RD8322)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	0.000	0.000
(RD8331)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.5V6.1	0.000	0.000
(AD8341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1	0.000	0.000
(RD8201)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D9.4	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(R08321)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1
(808341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1

BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000

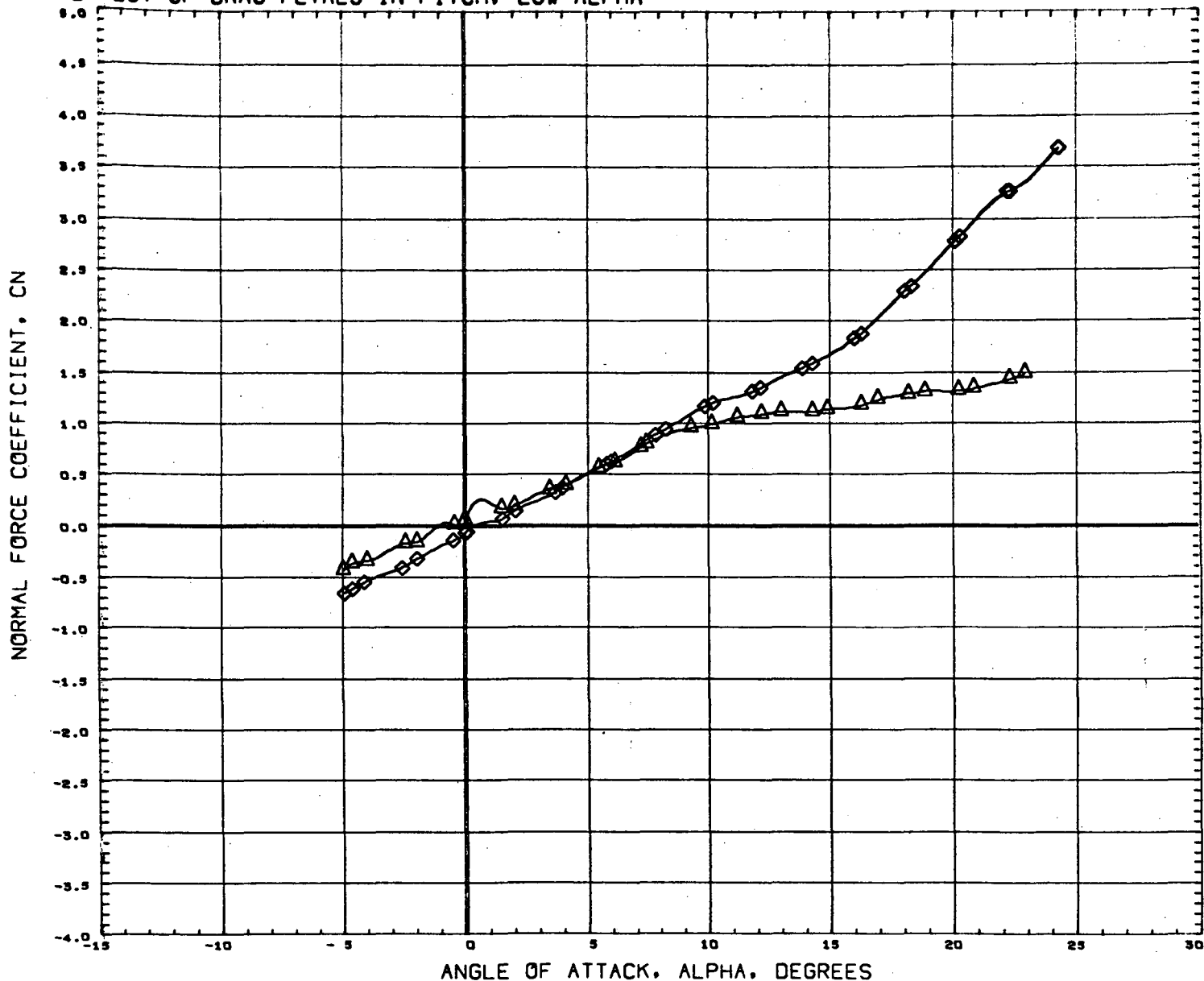
REFERENCE INFORMATION	
SREF	9.7500 SQ.IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCNT

MACH

.60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8501) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD8321) BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1  
 (8D8341) BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1

BETA DELTAV

0.000 0.000  
 0.000 0.000  
 0.000 0.000

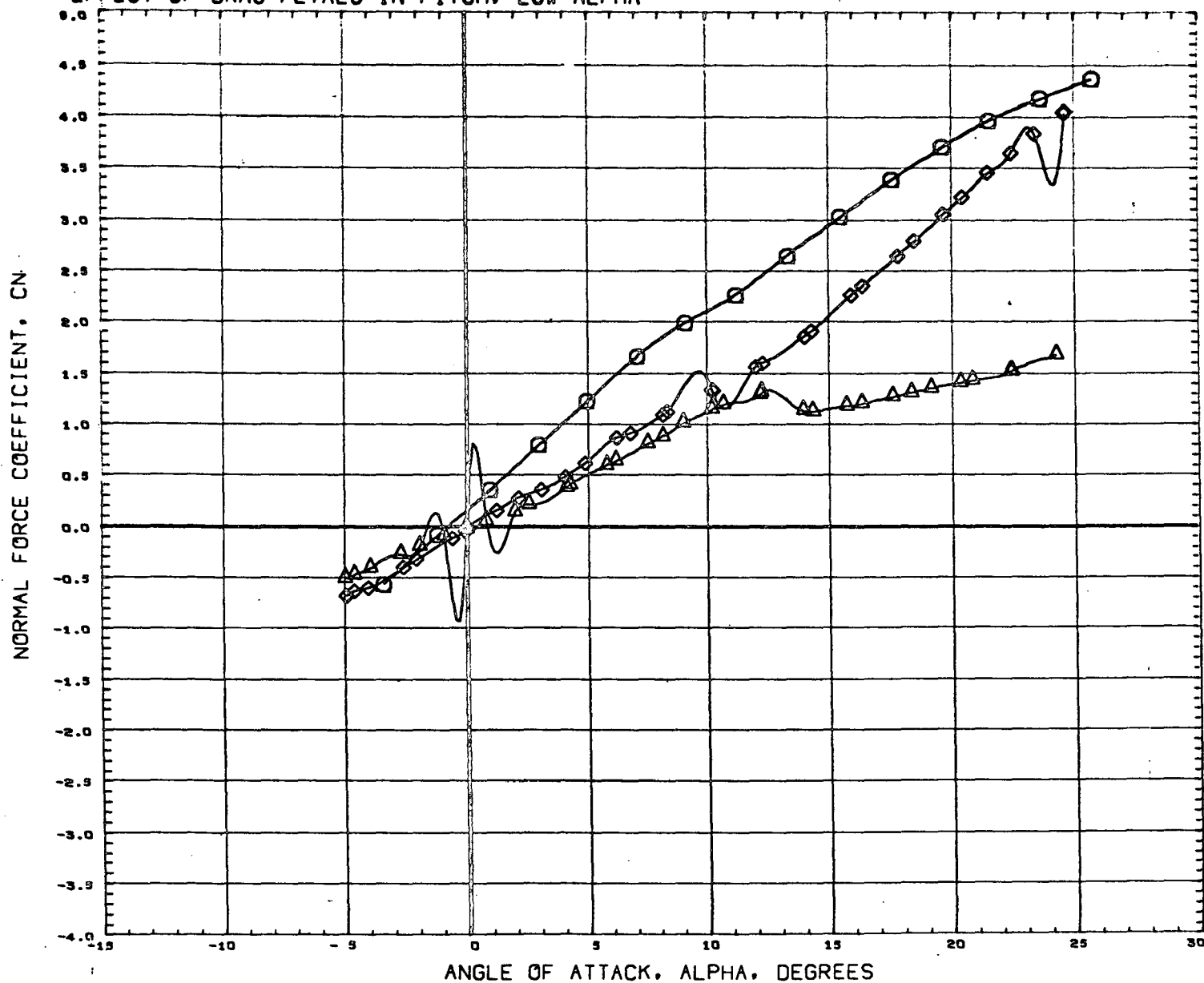
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH .80

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(RD8321)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000
(BD8341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000

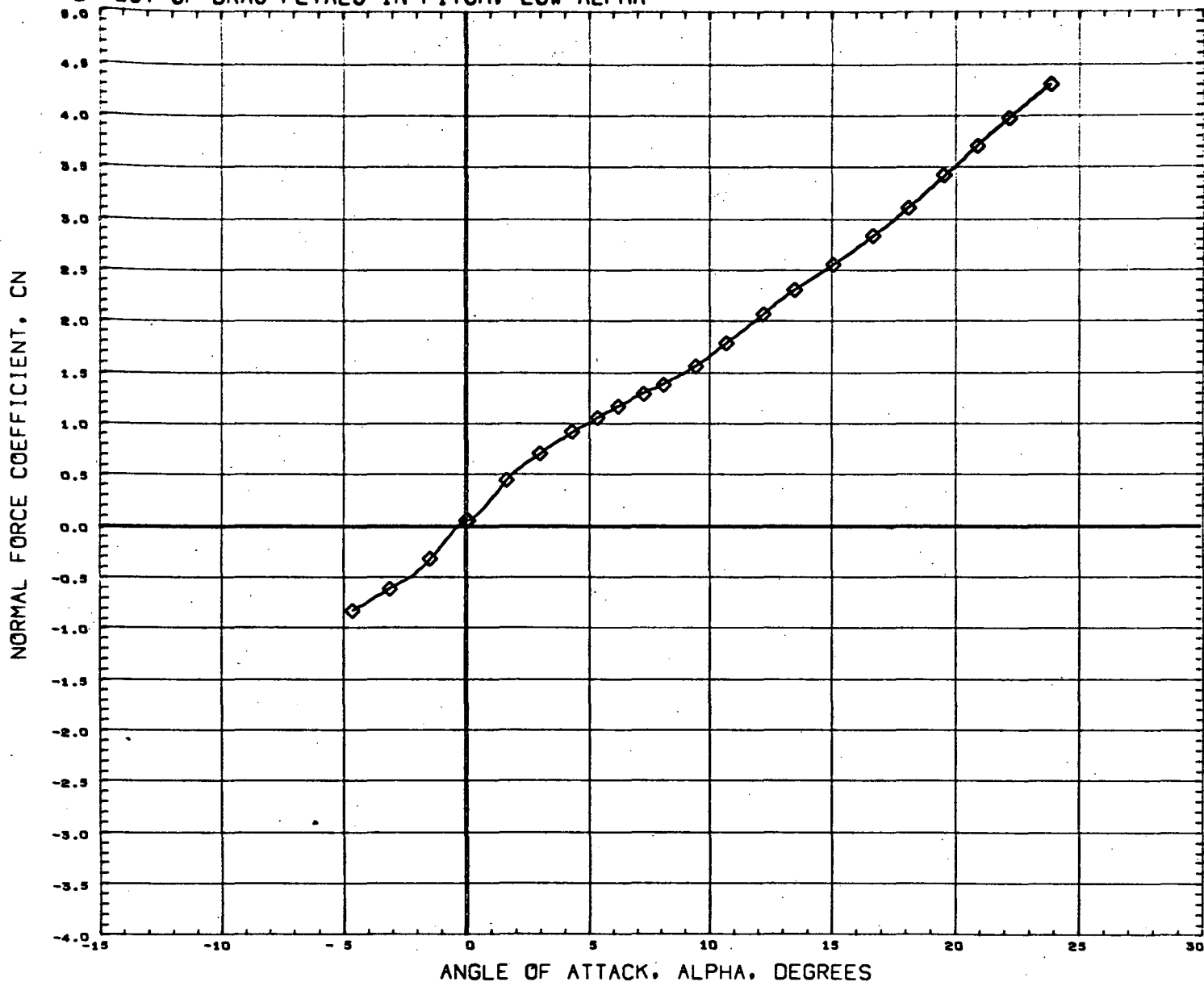
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8501) DATA NOT AVAILABLE FOR ALL CONDITIONS

(RD8321) DATA NOT AVAILABLE FOR ALL CONDITIONS

(BD8341) BTWT 1282/BSWT 557 PR-FED BR8 B5S3D10.6V6.1

BETA DELTAV

0.000 0.000

0.000 0.000

0.000 0.000

REFERENCE INFORMATION

SREF 9.7500 SQ. IN.

LREF 14.6830 INCHES

BREF 14.6830 INCHES

XMRF 0.6000 LBODY

YMRF 0.0000 INCHES

ZMRF 0.0000 INCHES

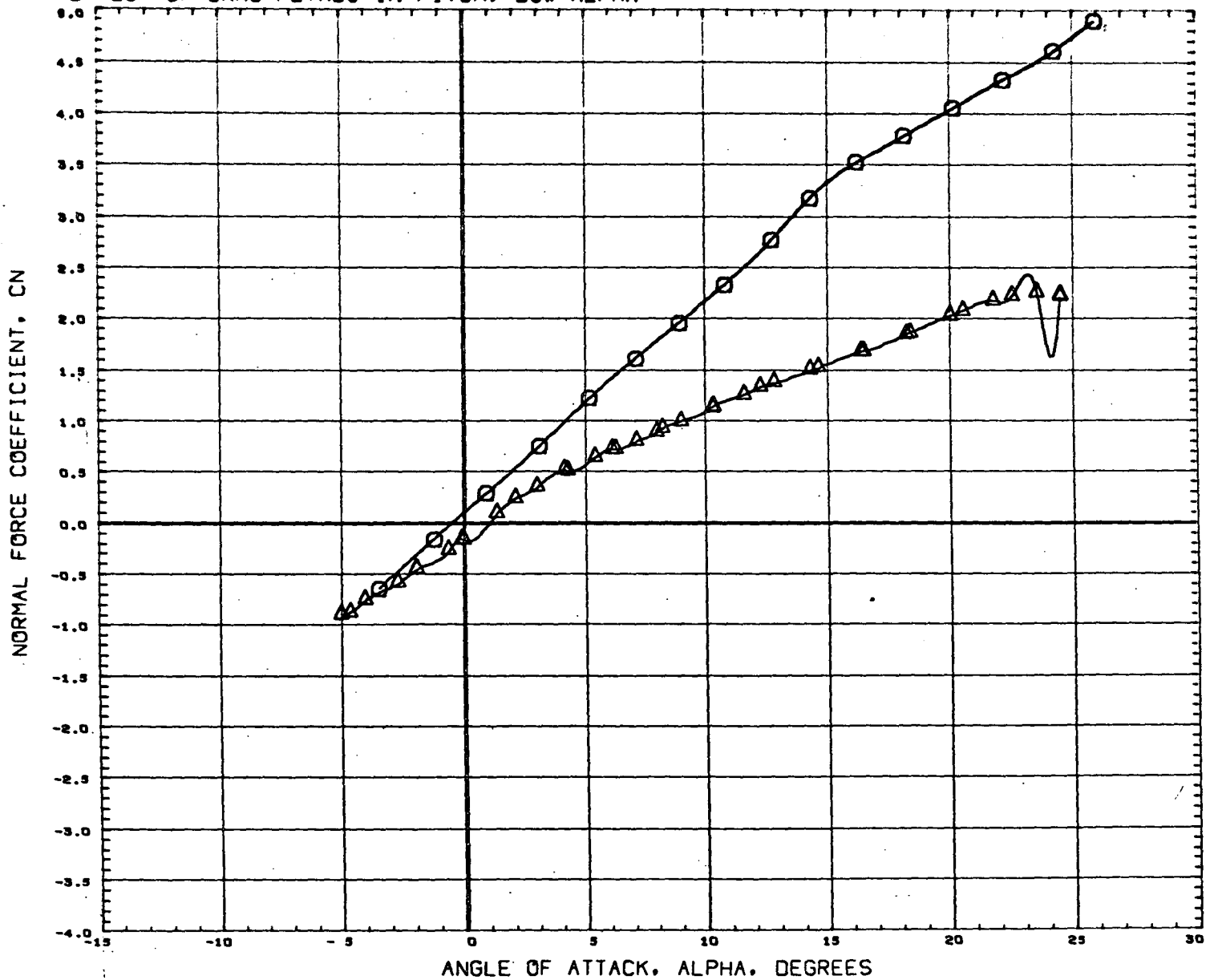
SCALE 0.8899 PERCENT

MACH

1.00

PAGE 373

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



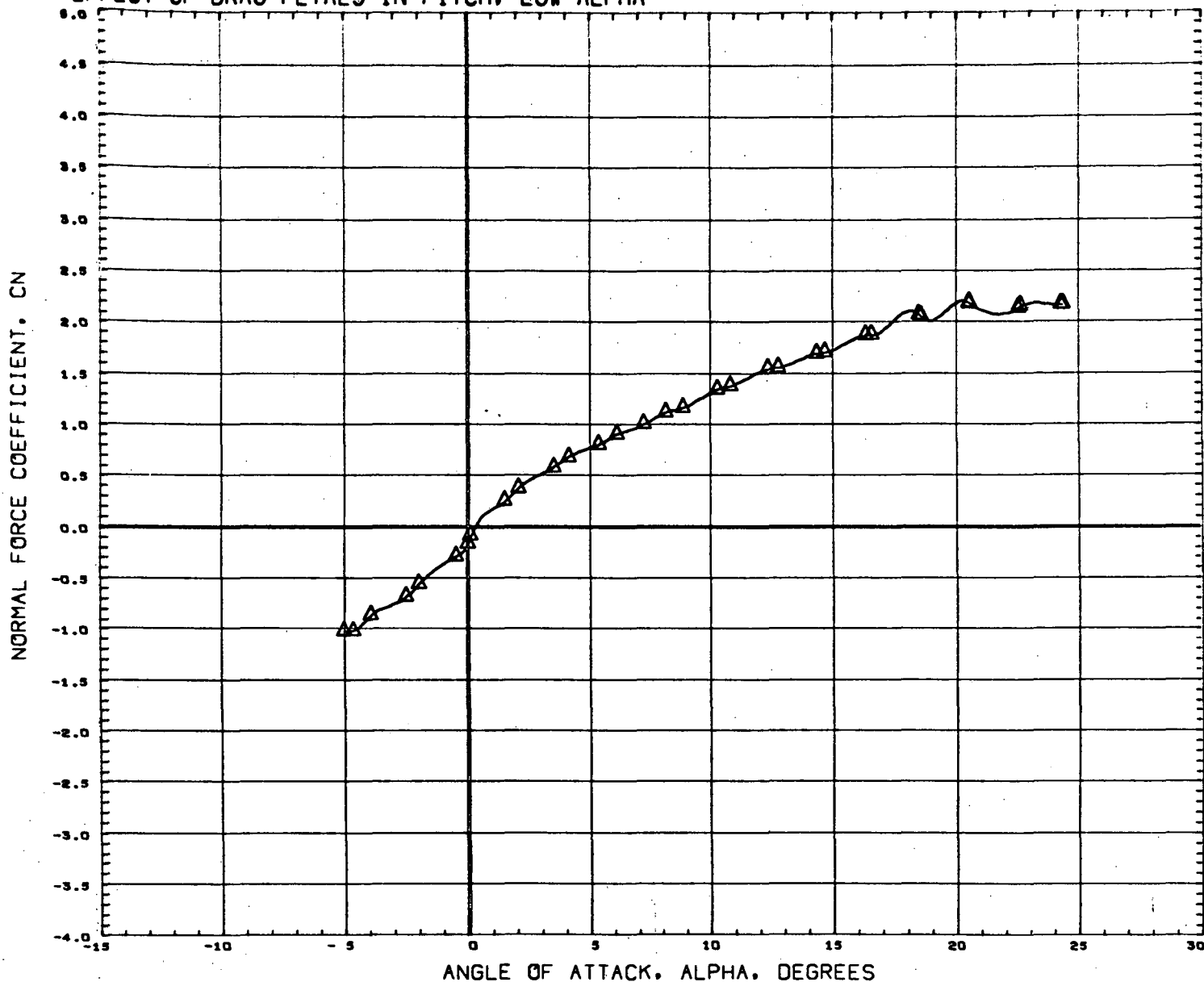
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000
(RD8321)	BTWT 1282/BSWT 557 PR-FED BRB 85S3010.4V6.1	0.000	0.000
(BD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08321)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1
(B08341)	DATA NOT AVAILABLE FOR ALL CONDITIONS

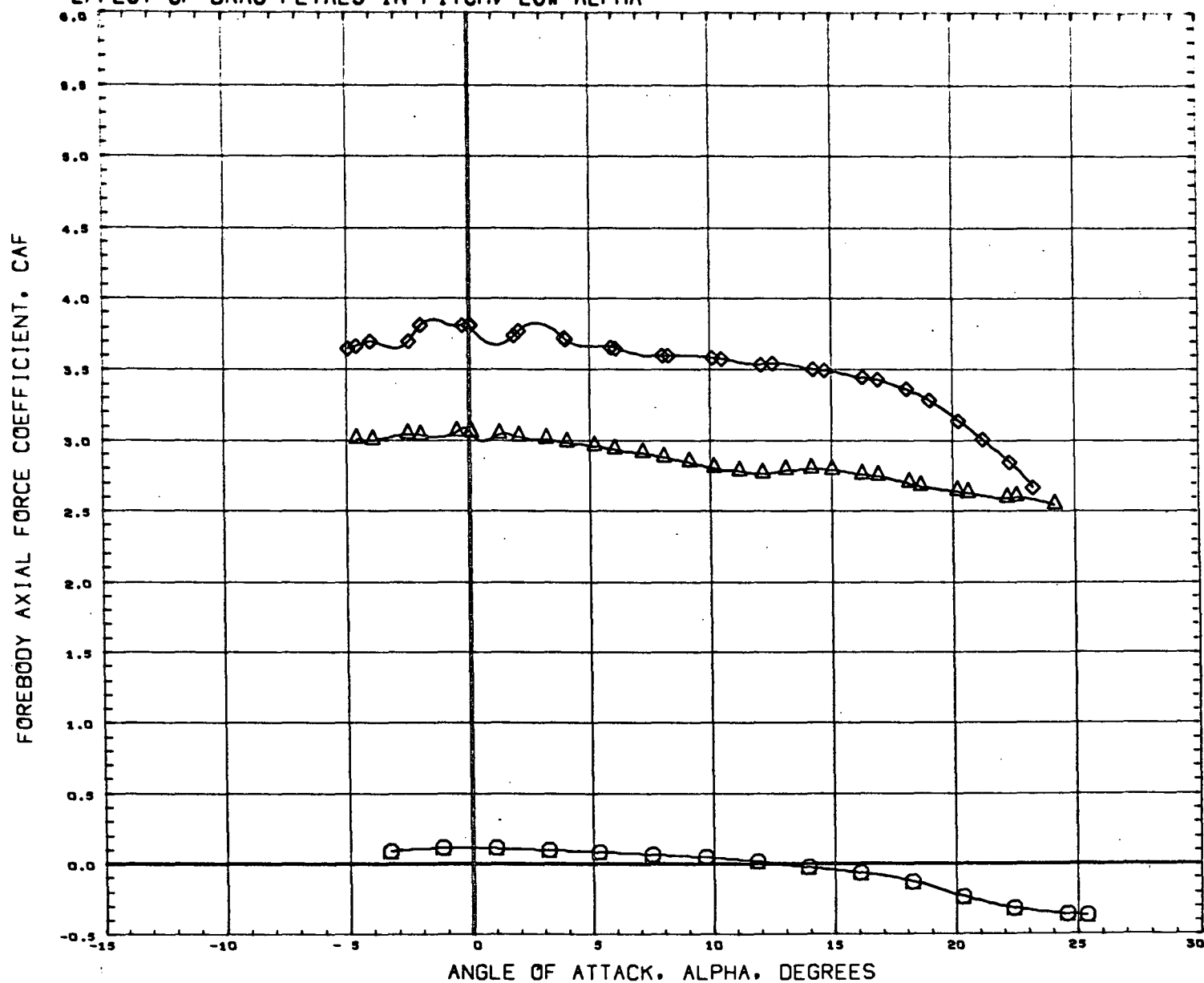
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	50.1N.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



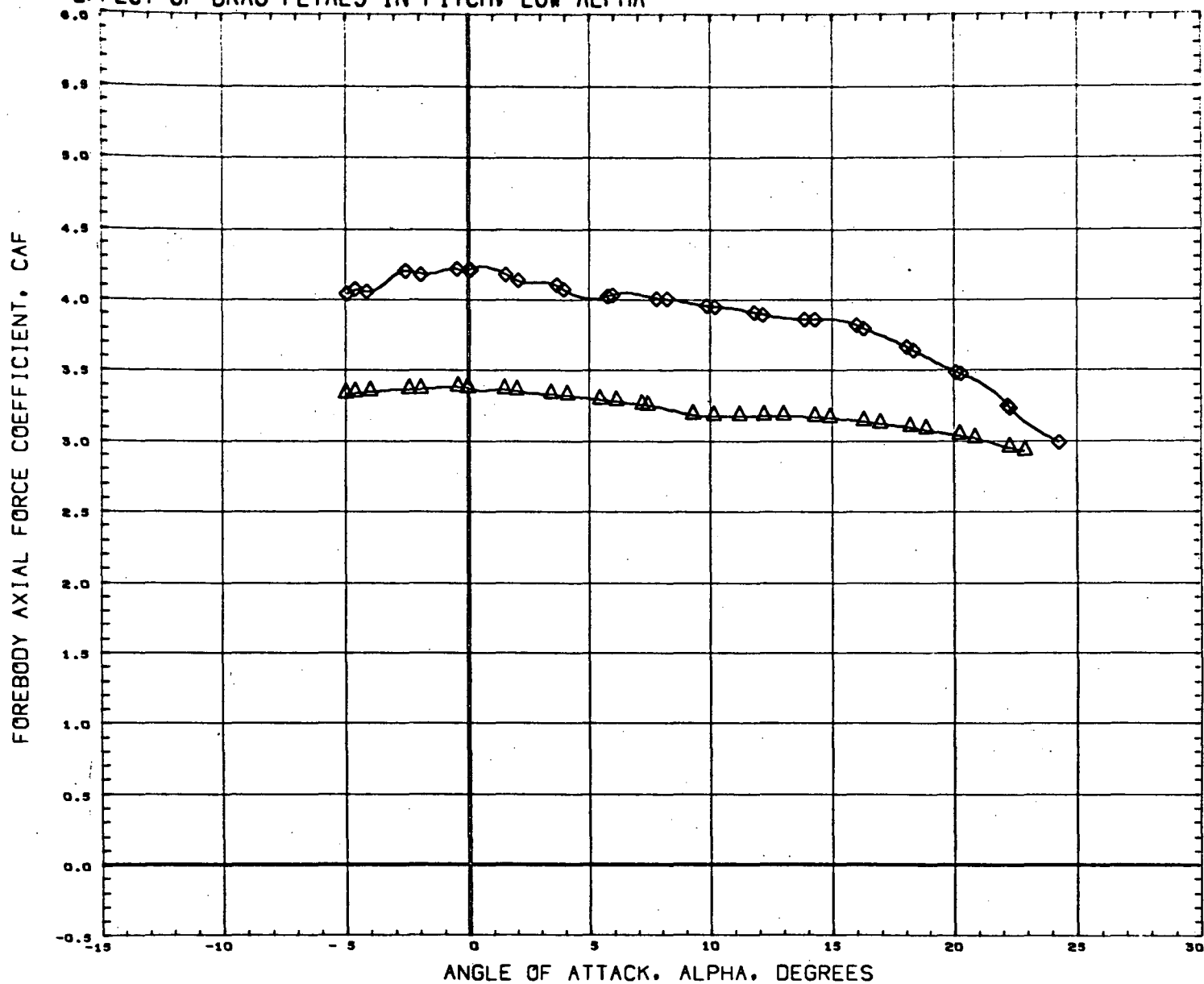
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08901)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(R08321)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000
(B08341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8501) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD8321) BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1  
 (BD8341) BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1

BETA DELTAV

0.000 0.000  
 0.000 0.000  
 0.000 0.000

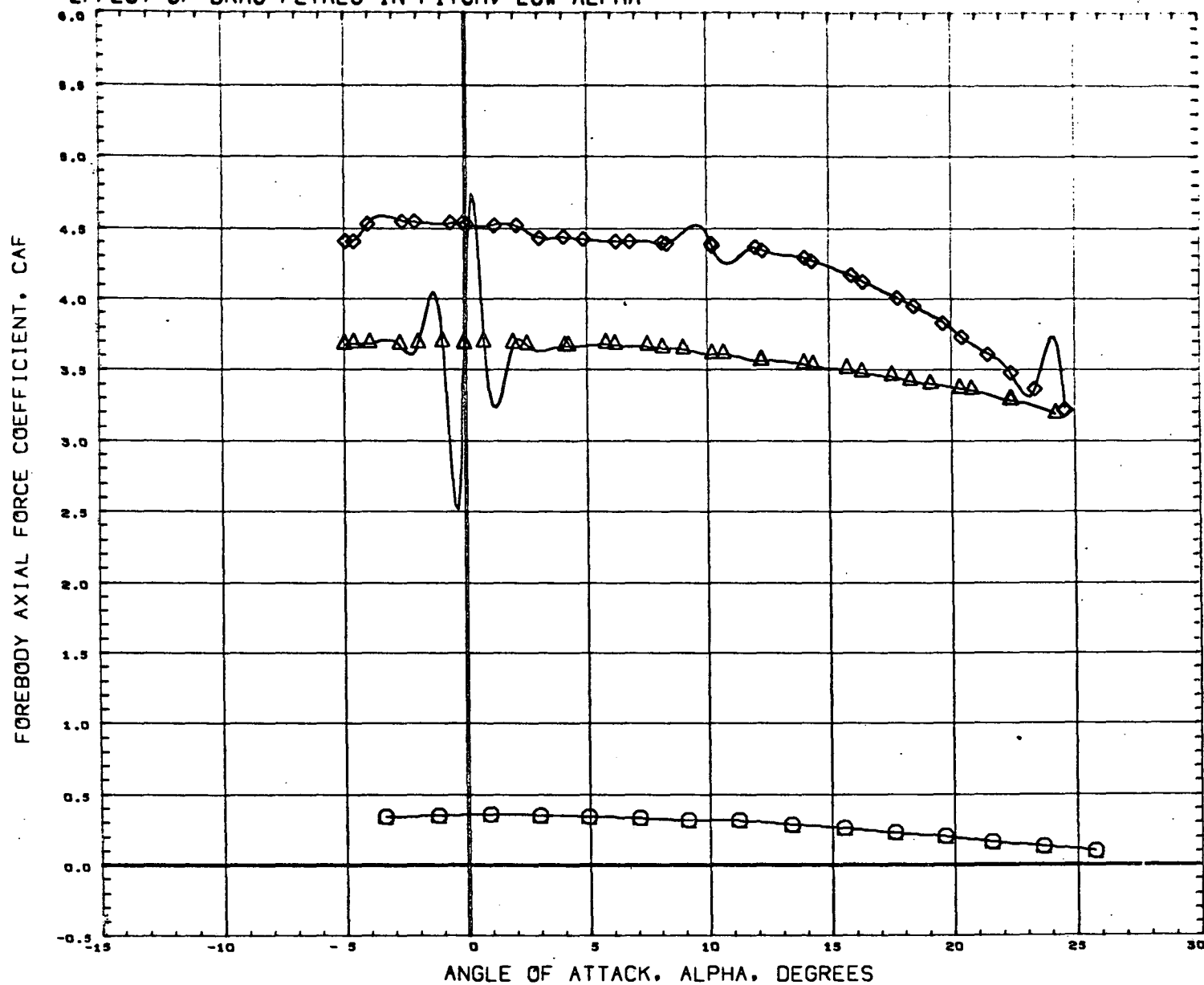
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
 LREF 14.6630 INCHES  
 BREF 14.6630 INCHES  
 XMRF 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.6699 PERCENT

MACH .80

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB
(R08321)	BTWT 1282/BSWT 557 PR-FED BRB
(B08341)	BTWT 1282/BSWT 557 PR-FED BRB

BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000

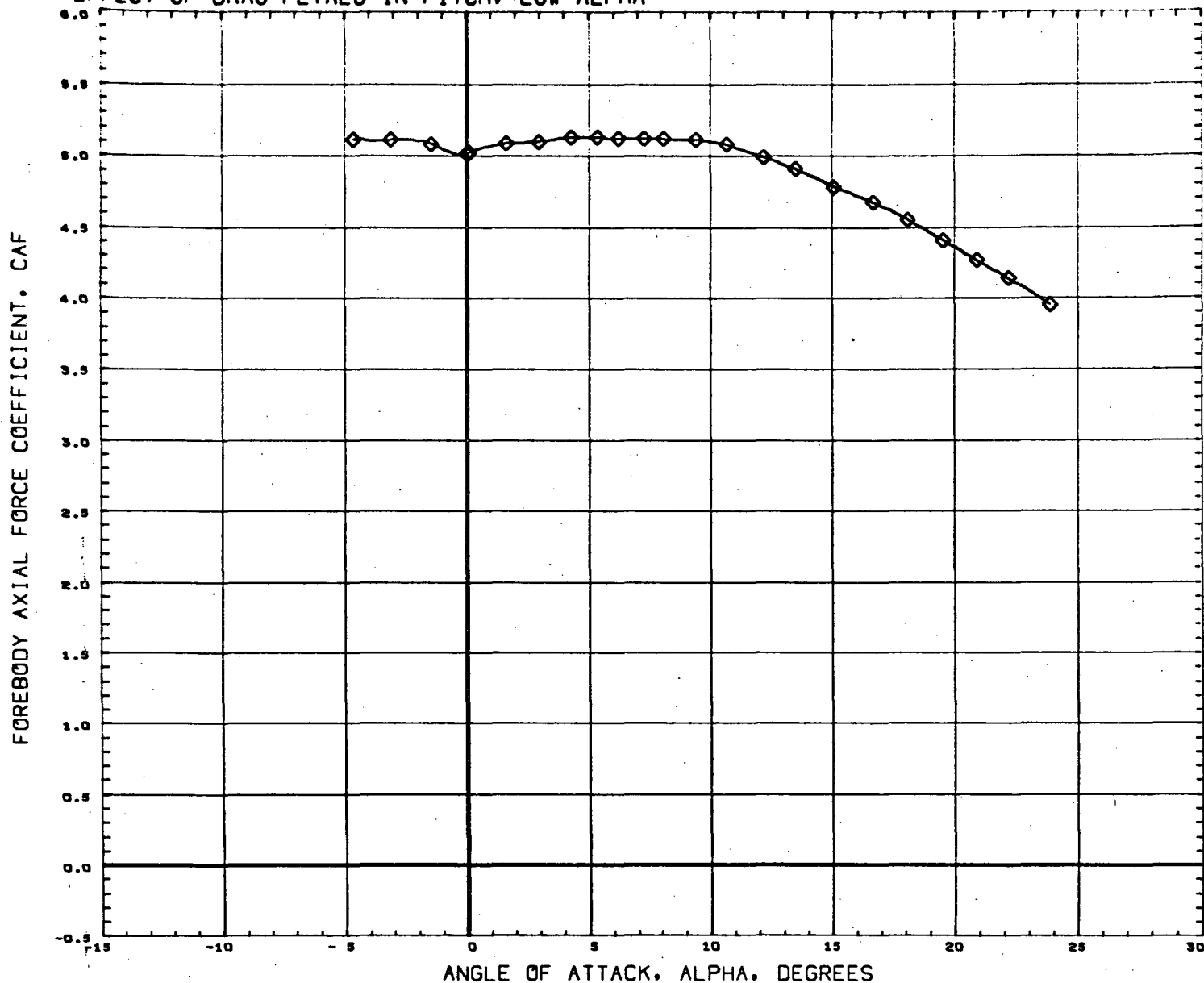
REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH

.90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

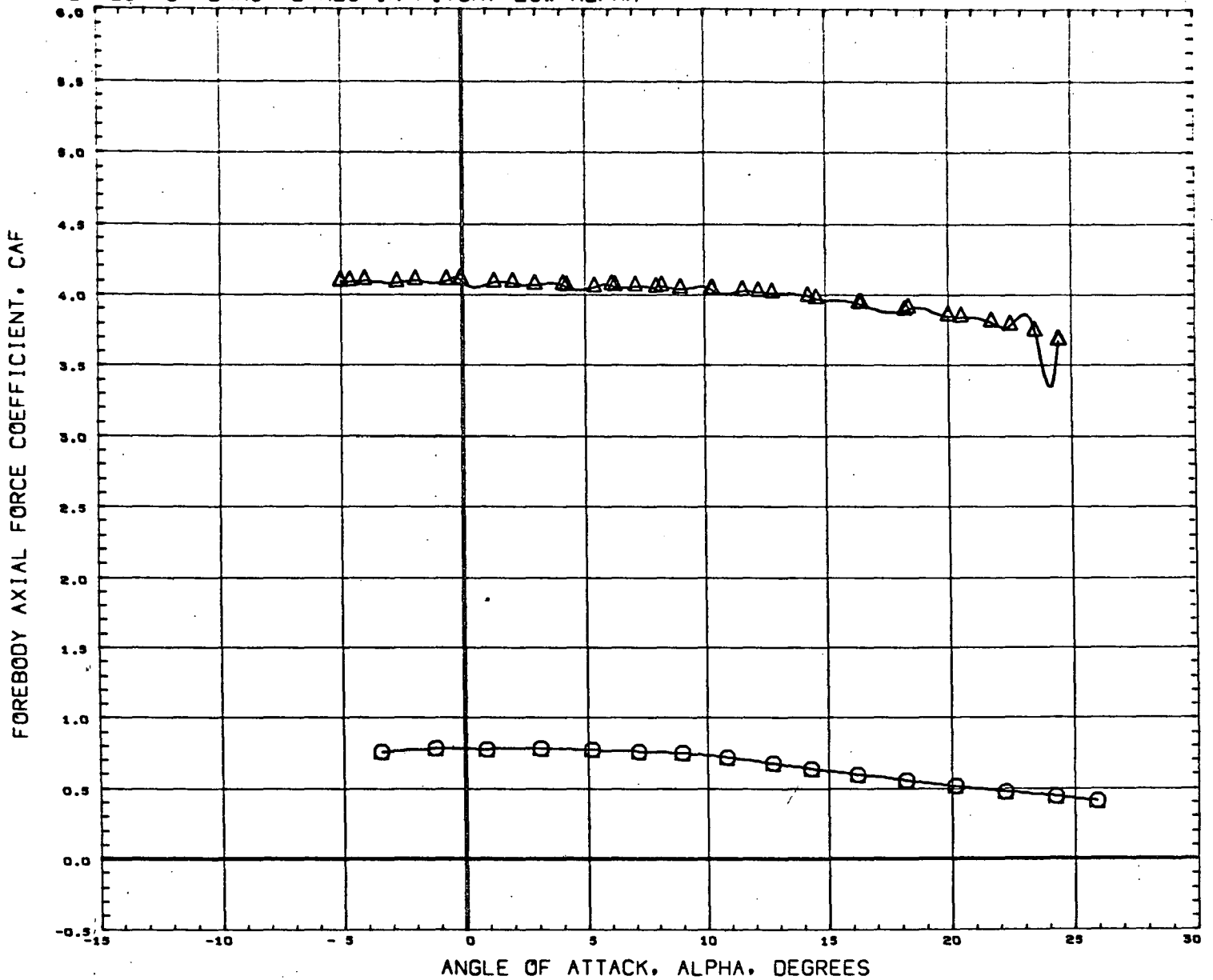


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(W08501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF	9.7500 SQ. IN.
(R08321)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	LREF	14.6830 INCHES
(B08341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



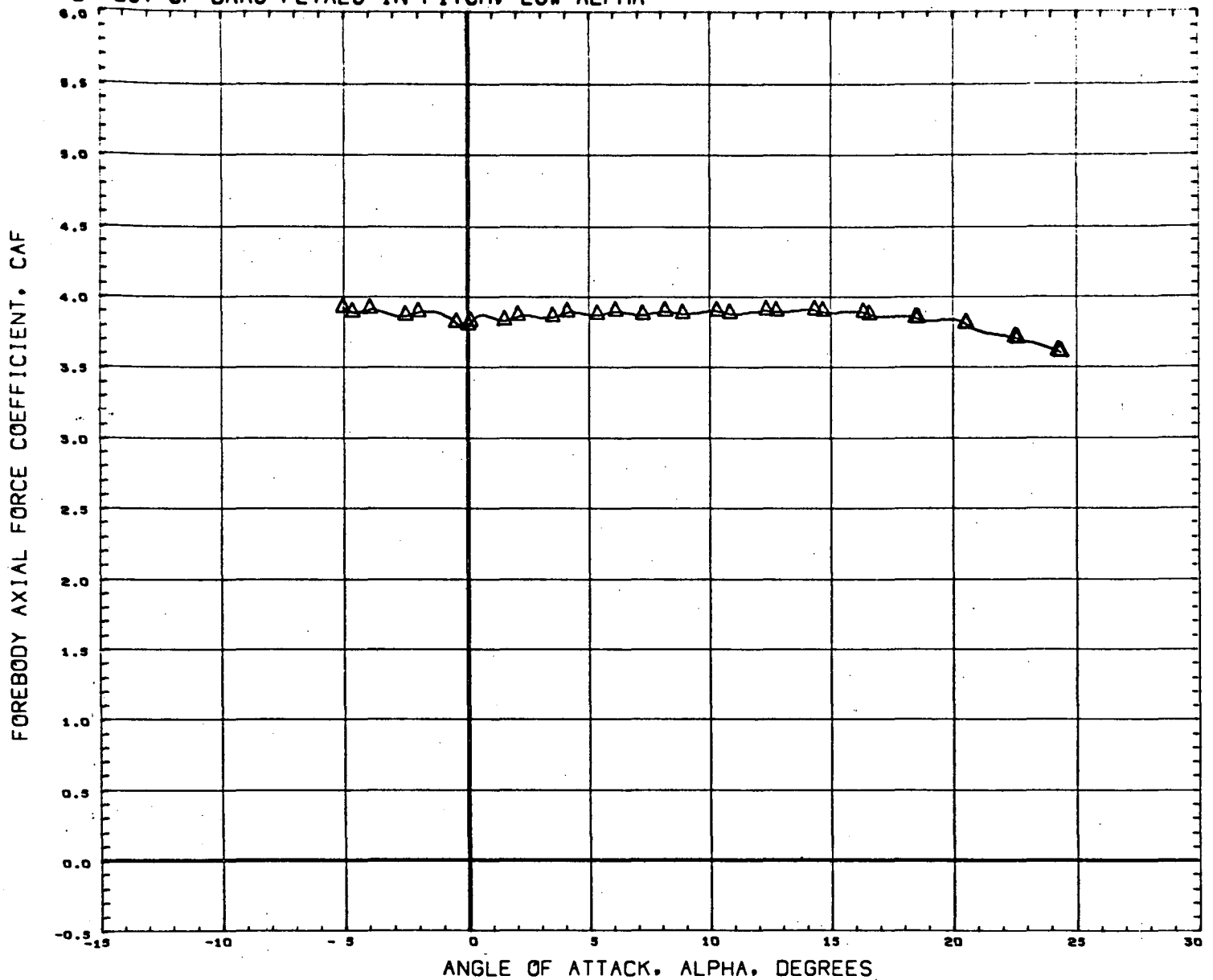
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(WD8501)	8TWT 1282/8SWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8321)	8TWT 1282/8SWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000	LREF	14.6830 INCHES
(BD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
				XMRP	0.6000 LBOOY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



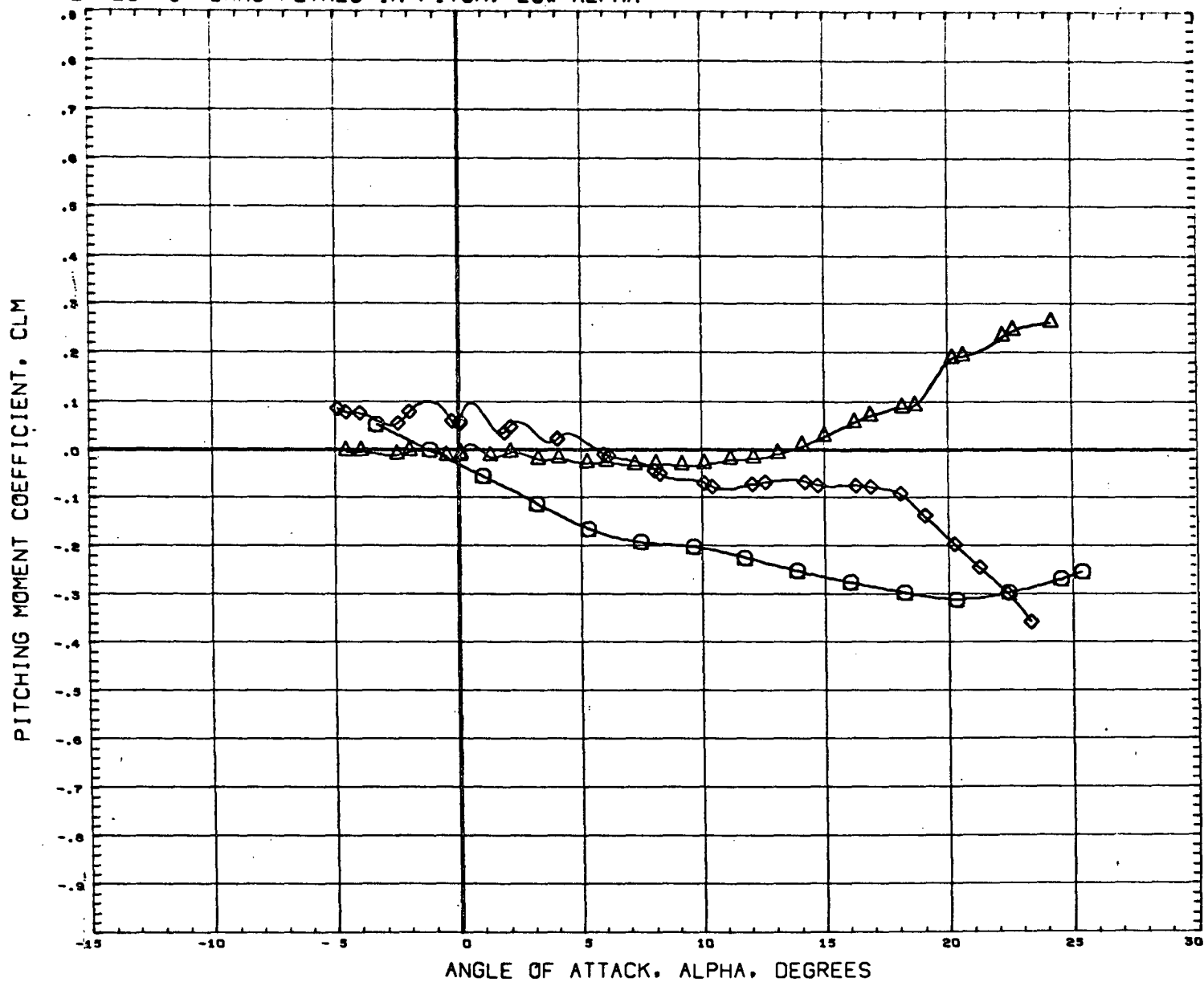
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000
(RD8321)	BTWT 1282/BSWT 537 PR-FED BRB 85S3010.4V6.1	0.000	0.000
(BD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



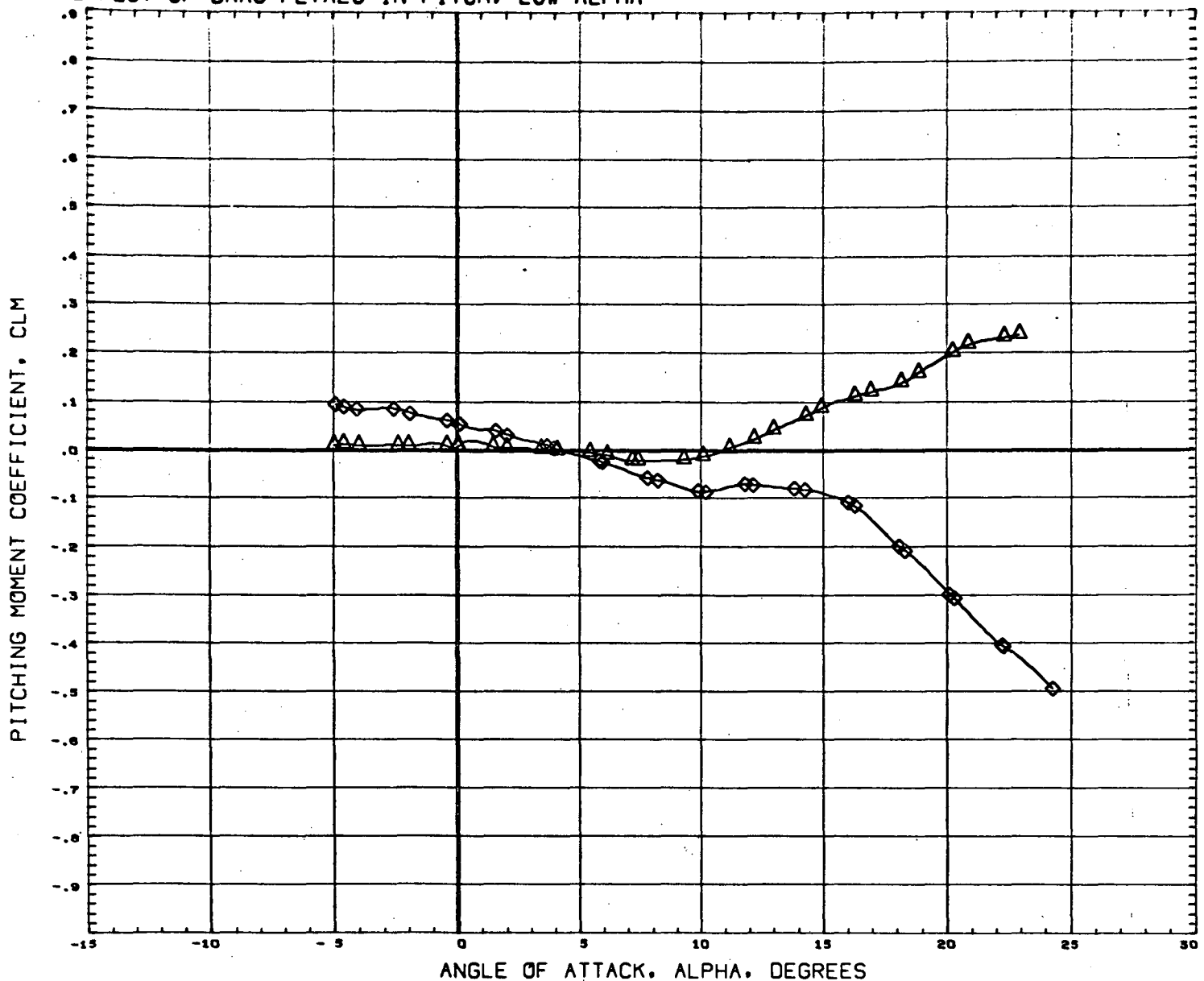
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8501)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(RD8321)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6.1	0.000	0.000
(BD8341)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

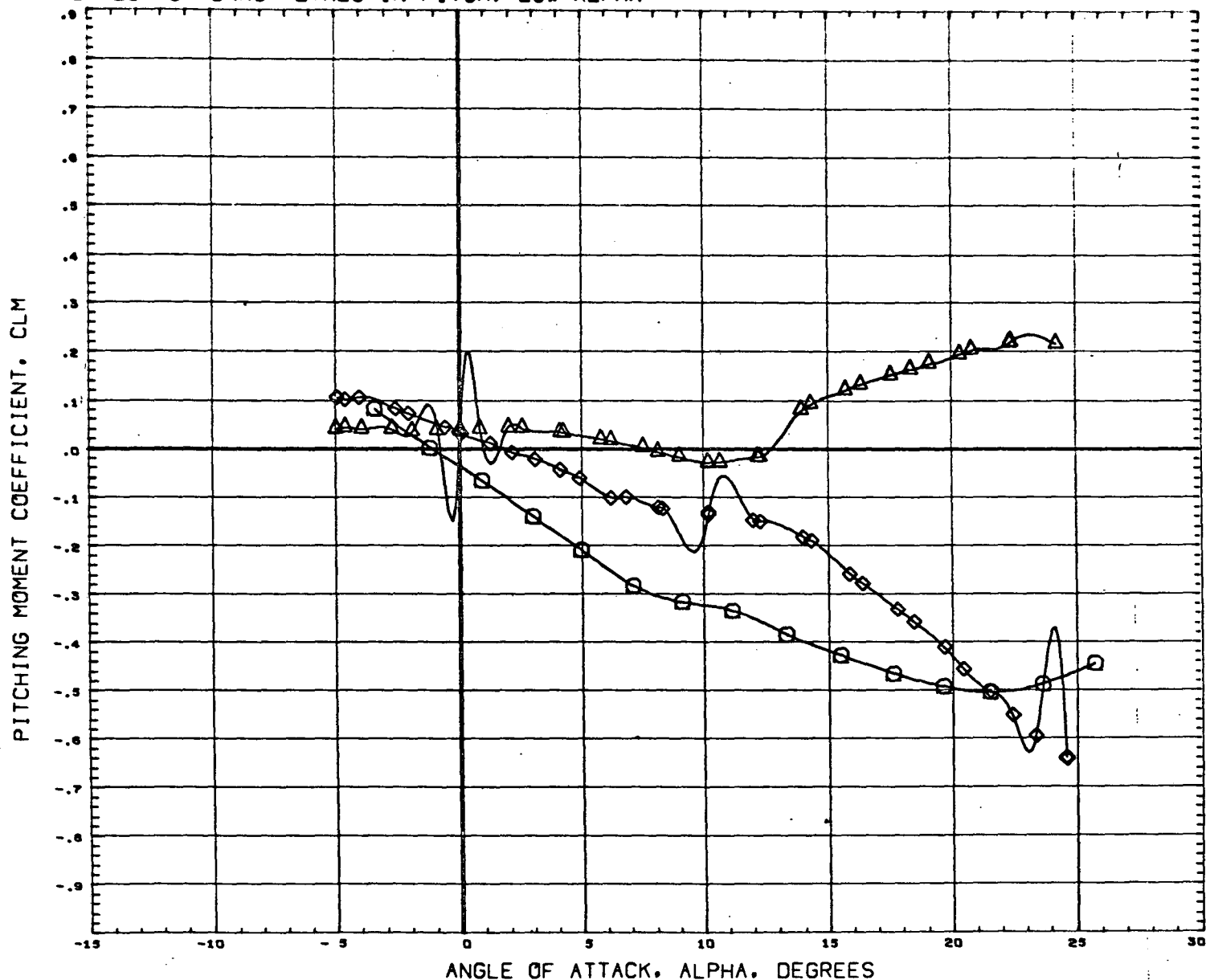


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	SREF 9.7500 SQ. IN.
(RD8321)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	0.000	0.000	LREF 14.6830 INCHES
(BD8341)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.6V6.1	0.000	0.000	BREF 14.6830 INCHES
				XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.6899 PERCENT

MACH .80

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# EFFECT OF DRAG PETALS IN PITCH. LOW ALPHA



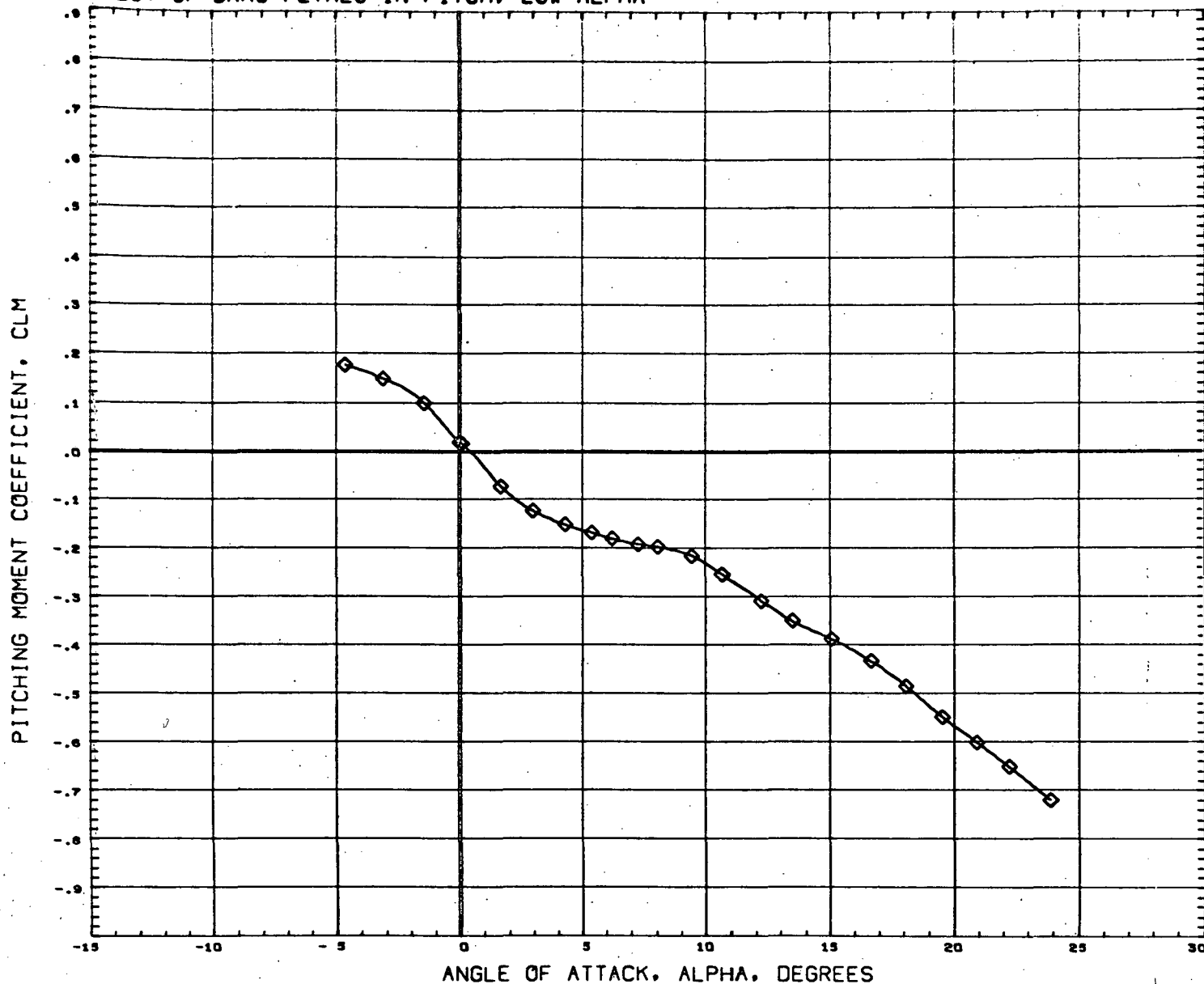
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08501)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000
(R08321)	BTWT 1262/BSWT 557 PR-FED BRB 85S3D10.4V6.1	0.000	0.000
(B08341)	BTWT 1262/BSWT 557 PR-FED BRB 85S3D10.6V6.1	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8501) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD8321) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (BD8341) BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1

BETA DELTAV  
 0.000 0.000  
 0.000 0.000  
 0.000 0.000

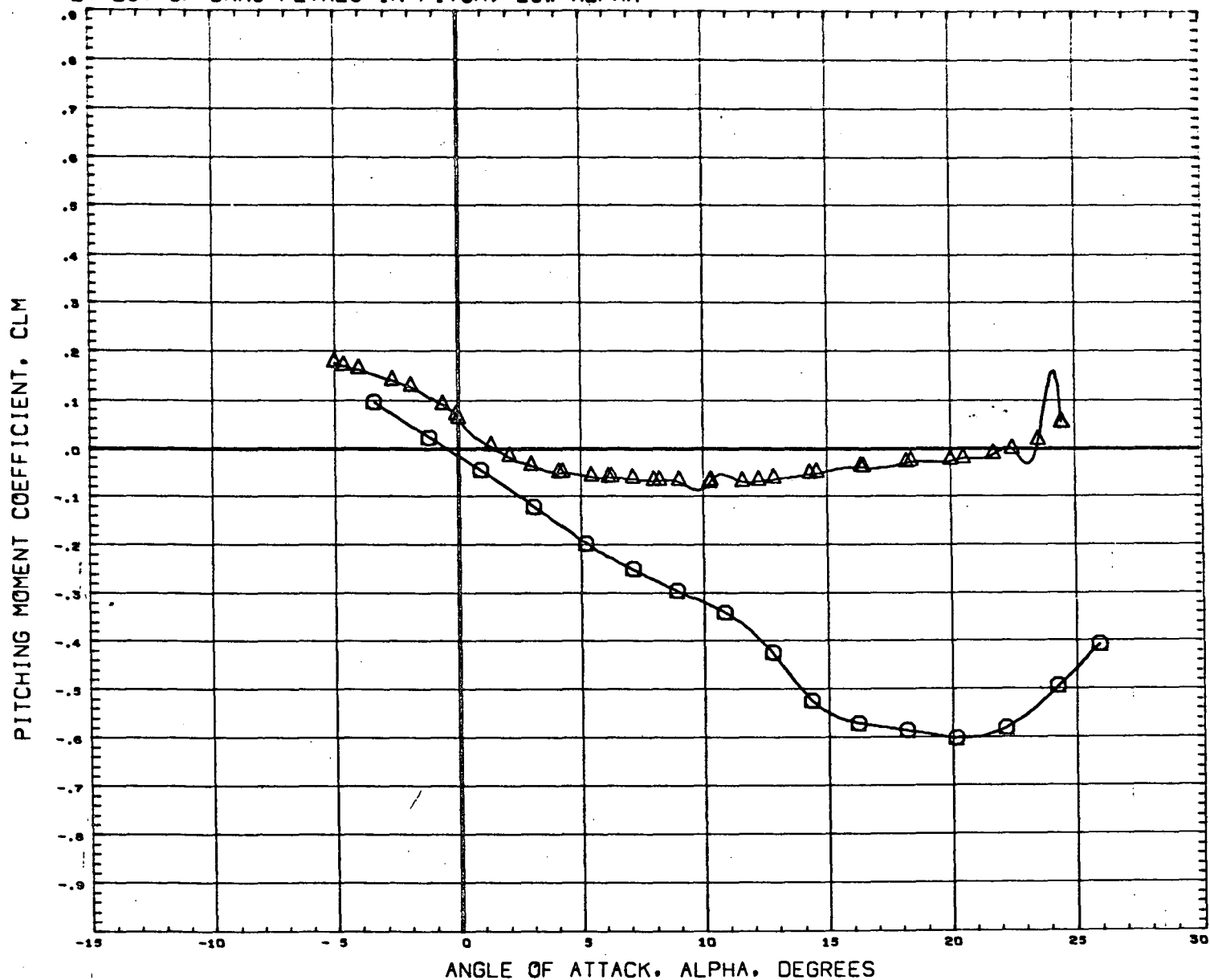
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8699 PERCENT

MACH 1.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



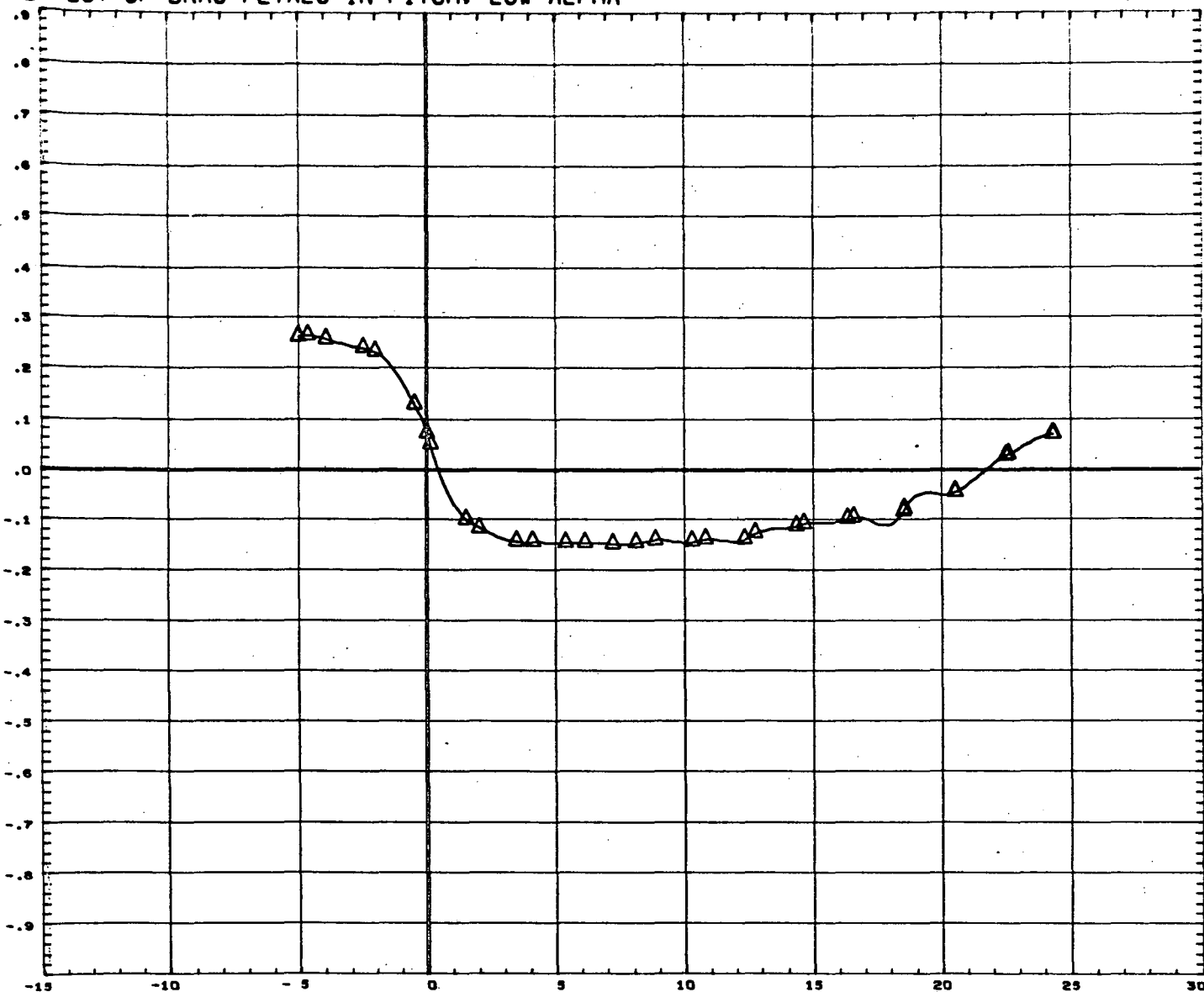
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000	SREF	9.7500 SQ. IN.
(R08321)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	0.000	0.000	LREF	14.6830 INCHES
(B08341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	BREF	14.6830 INCHES
				XMRF	0.6000 LBODY
				YMRF	0.0000 INCHES
				ZMRF	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8501) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD8321) BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1  
 (BD8341) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA DELTAV  
 0.000 0.000  
 0.000 0.000  
 0.000 0.000

REFERENCE INFORMATION

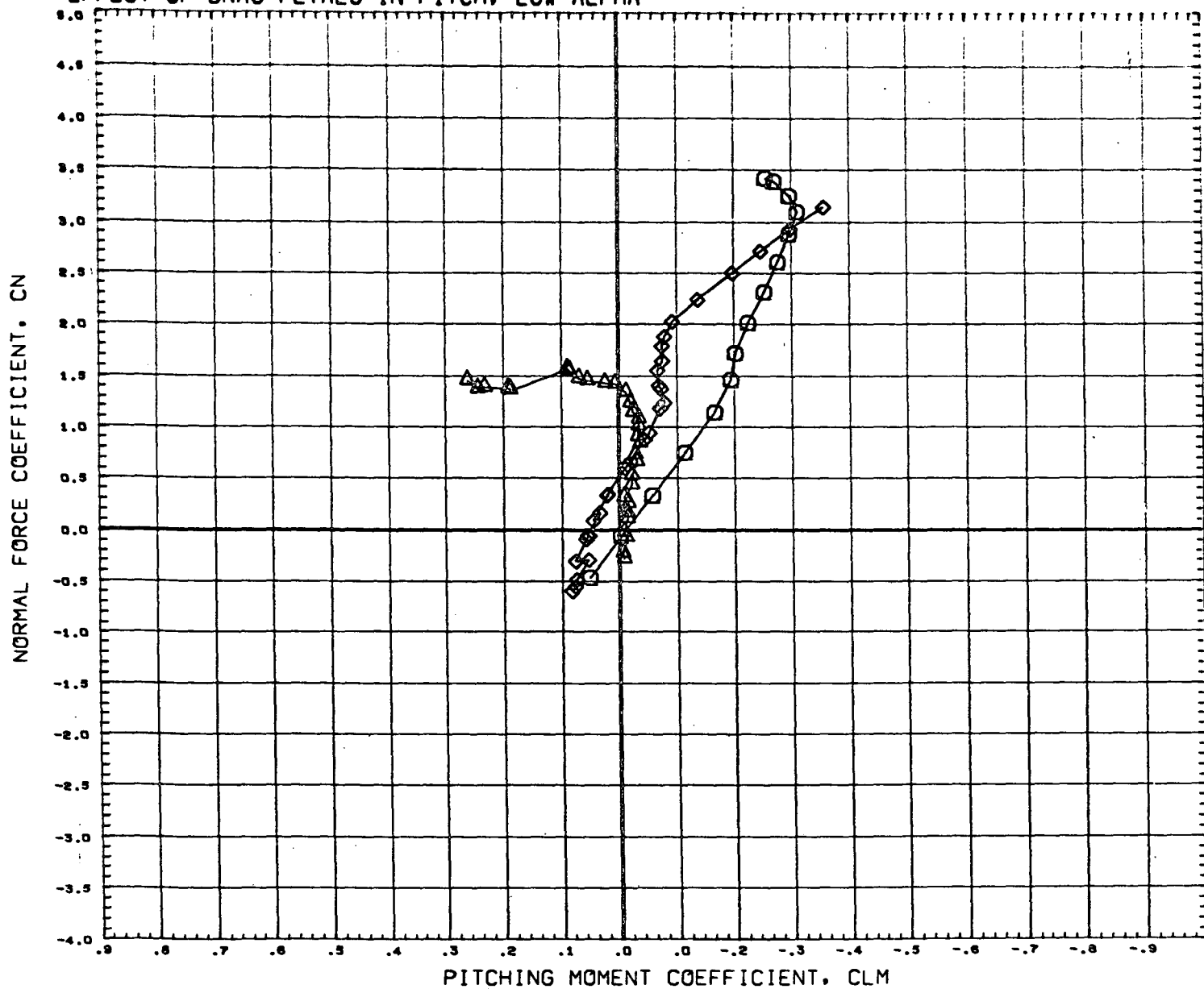
SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8699 PERCENT

MACH

1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08501)	BTWT 1282/BSWT 557 PR-FED BR8 85S3V6F	0.000	0.000
(RD8321)	BTWT 1282/BSWT 557 PR-FED BR8 85S3D10.4V6.1	0.000	0.000
(8D8341)	BTWT 1282/BSWT 557 PR-FED BR8 85S3D10.6V6.1	0.000	0.000

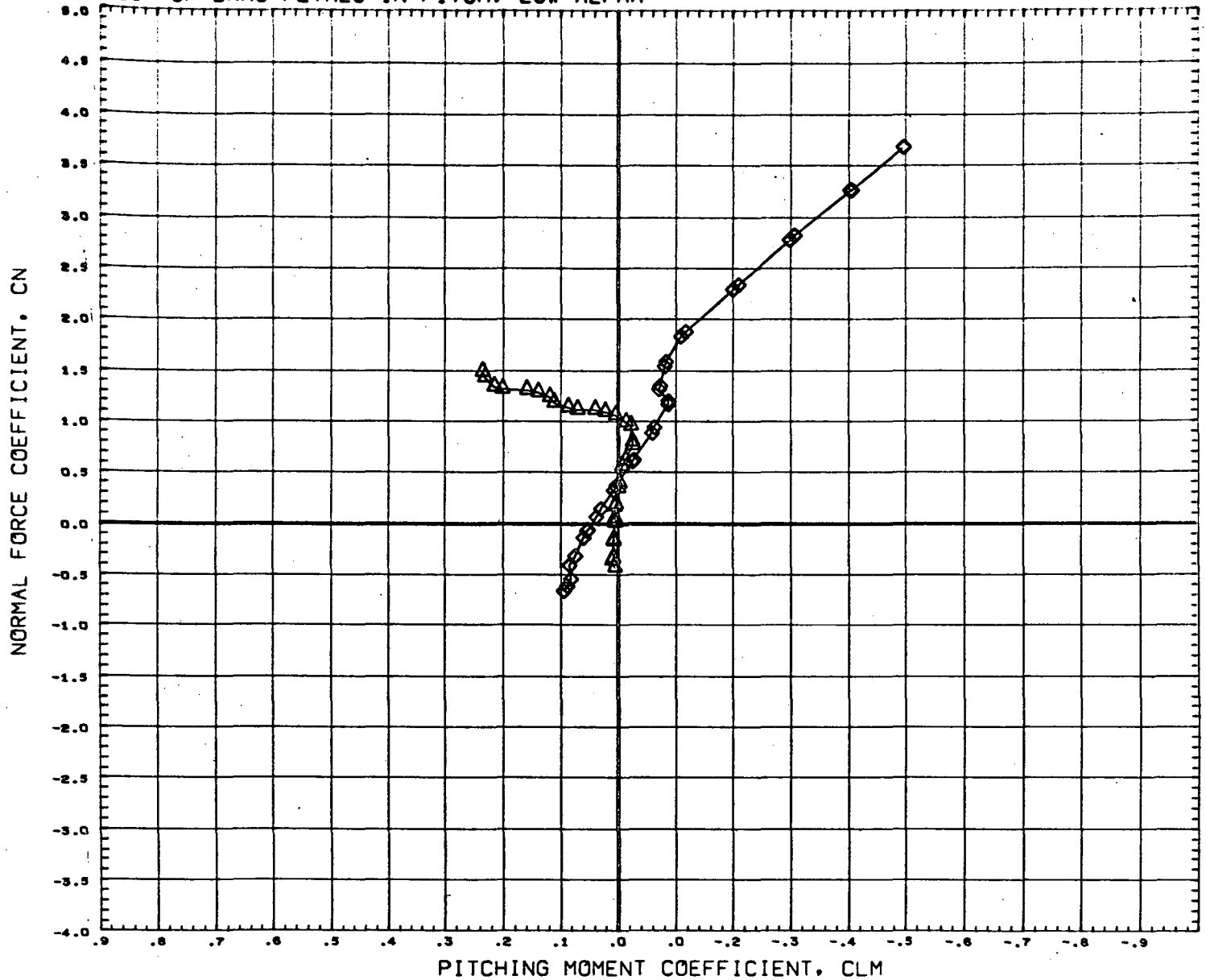
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8501)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8321)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1
(BD8341)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1

BETA DELTAV

BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION

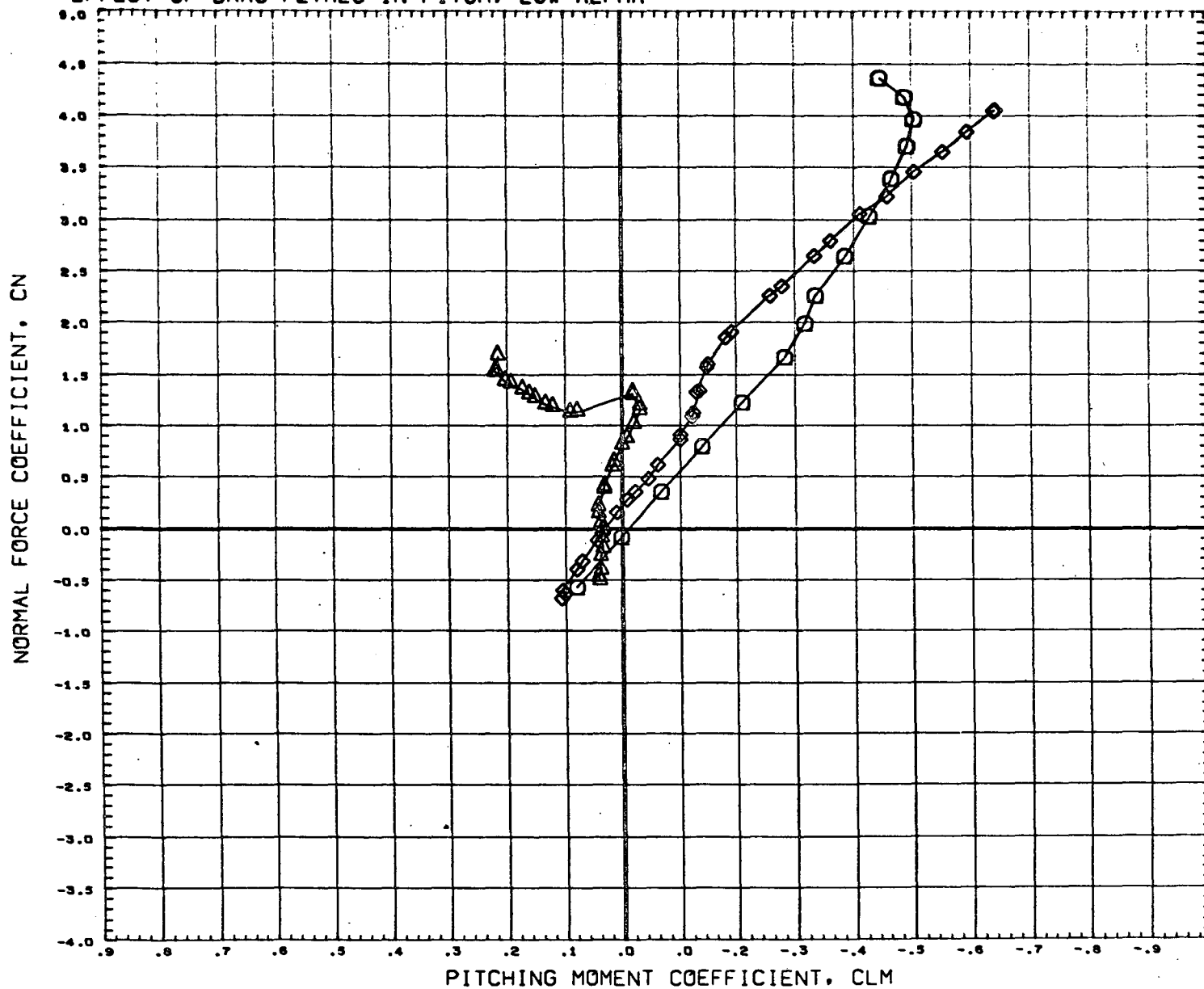
REFERENCE INFORMATION	VALUE	UNIT
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

.80

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(WD6501)	○	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F
(RD6321)	△	BTWT 1202/BSWT 557 PR-FED BRB B5S3D10.4V6.1
(BD6341)	◇	BTWT 1202/BSWT 557 PR-FED BRB B5S3D10.6V6.1

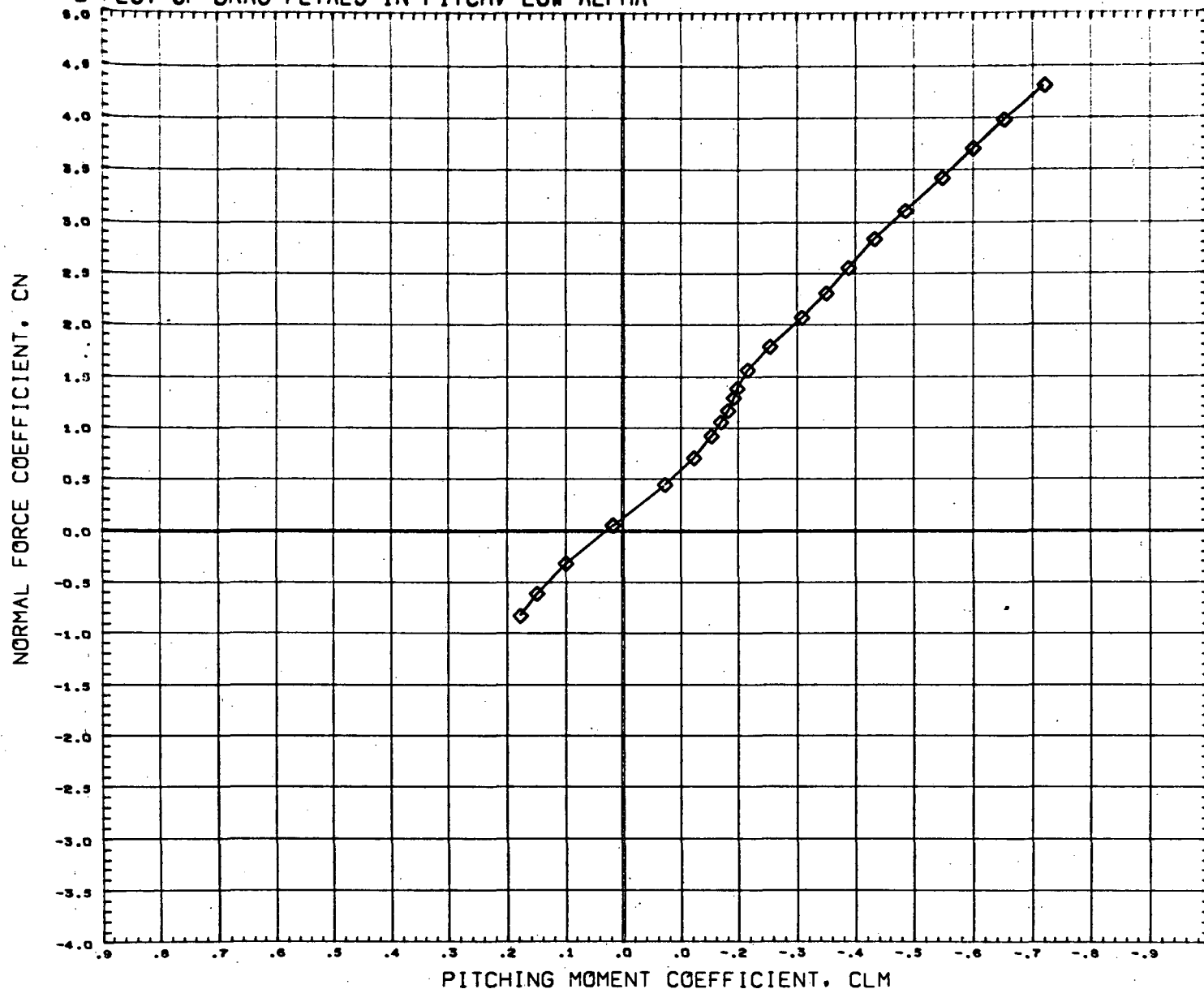
BETA	DELTAV
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08501) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (GR08321) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (B08341) BTWT 1282/BSWT 557 PR-PED BRB 85S3D10.6V6.1

BETA DELTAV

0.000 0.000  
 0.000 0.000  
 0.000 0.000

REFERENCE INFORMATION

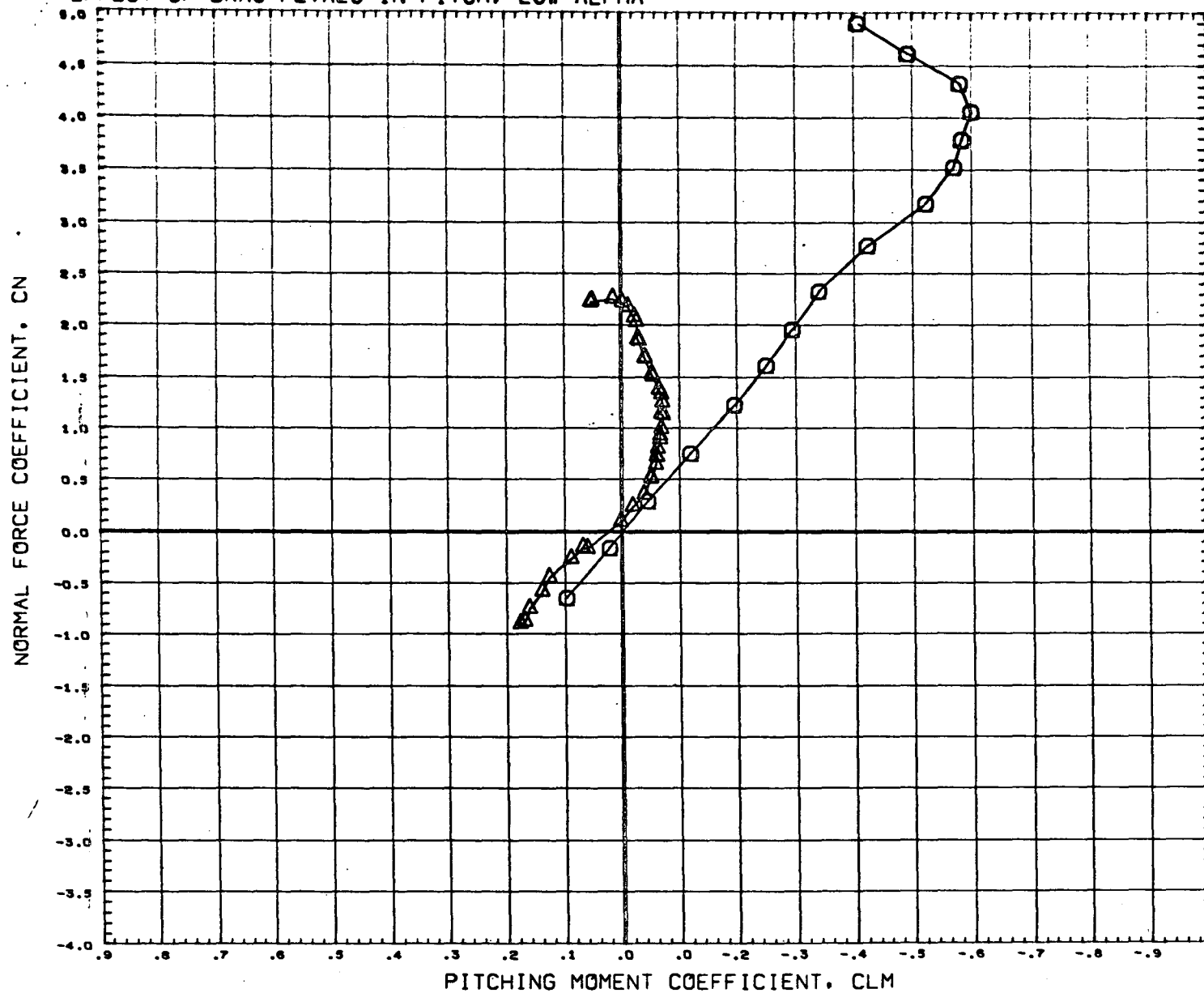
SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH

1.00

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



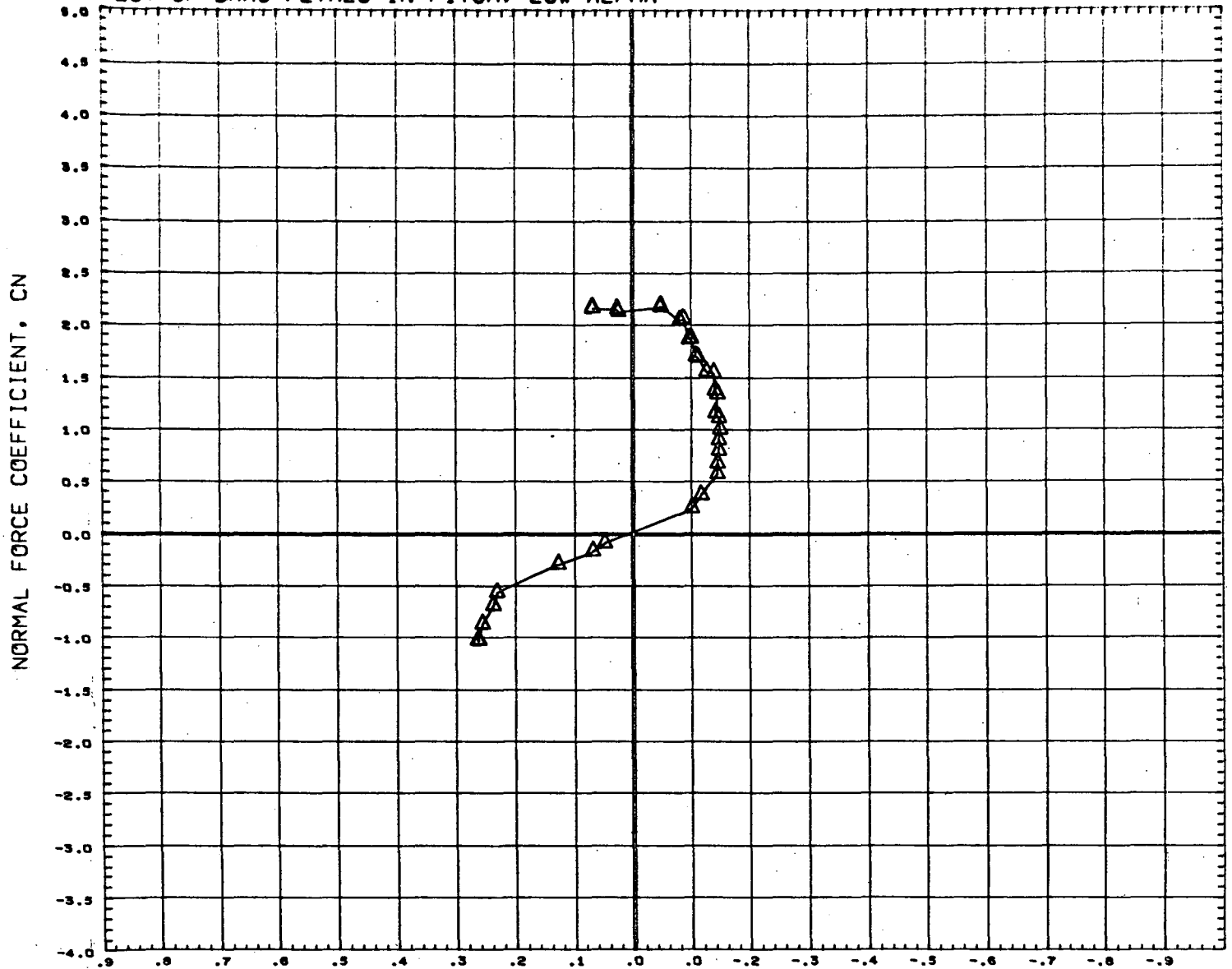
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8501)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000
(RD8321)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	0.000	0.000
(BD8341)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08301)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R08321)	BTWT 1282/BSWT 557 PR-FED BRB B533D10.4V6.1
(B08341)	DATA NOT AVAILABLE FOR ALL CONDITIONS

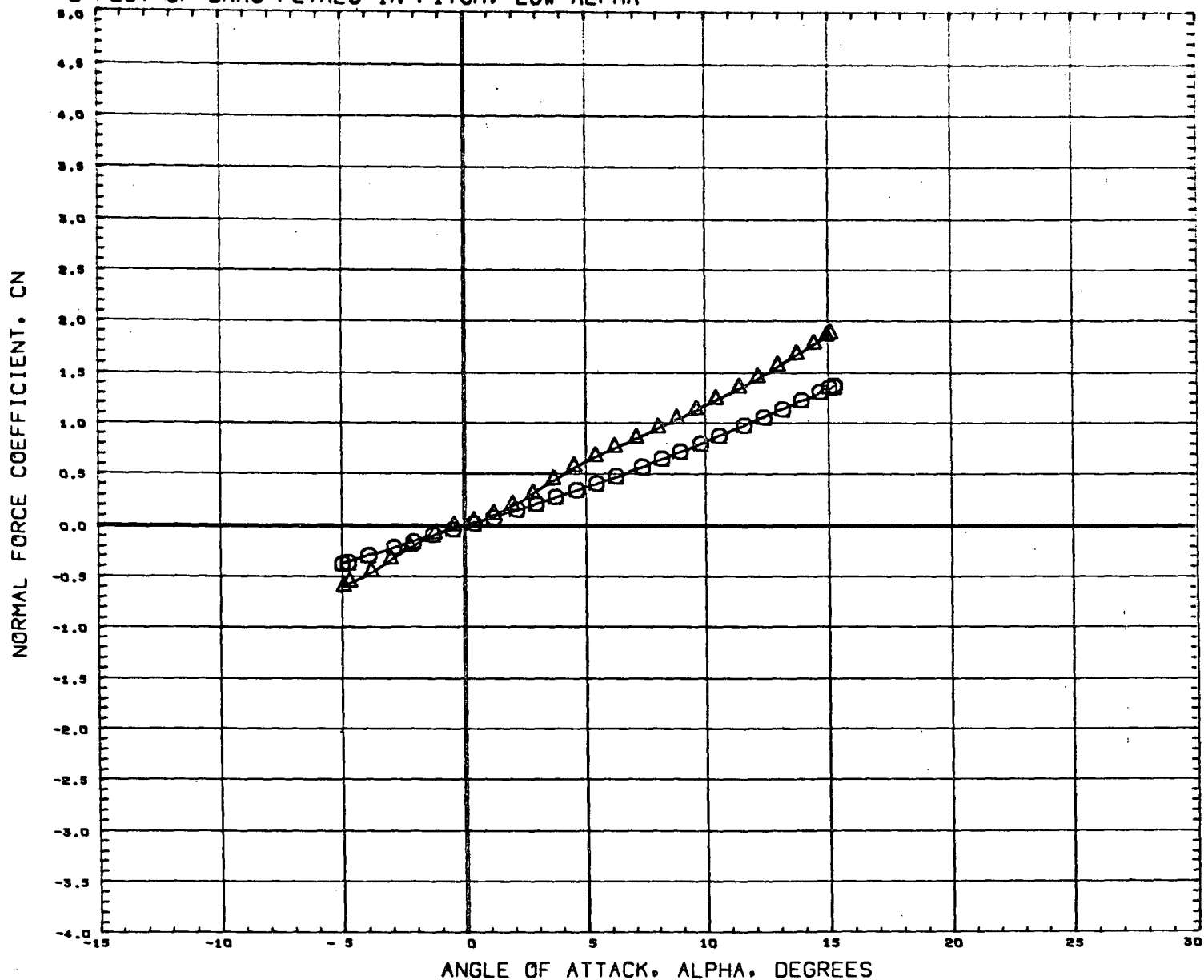
BETA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LEDDY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.10

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

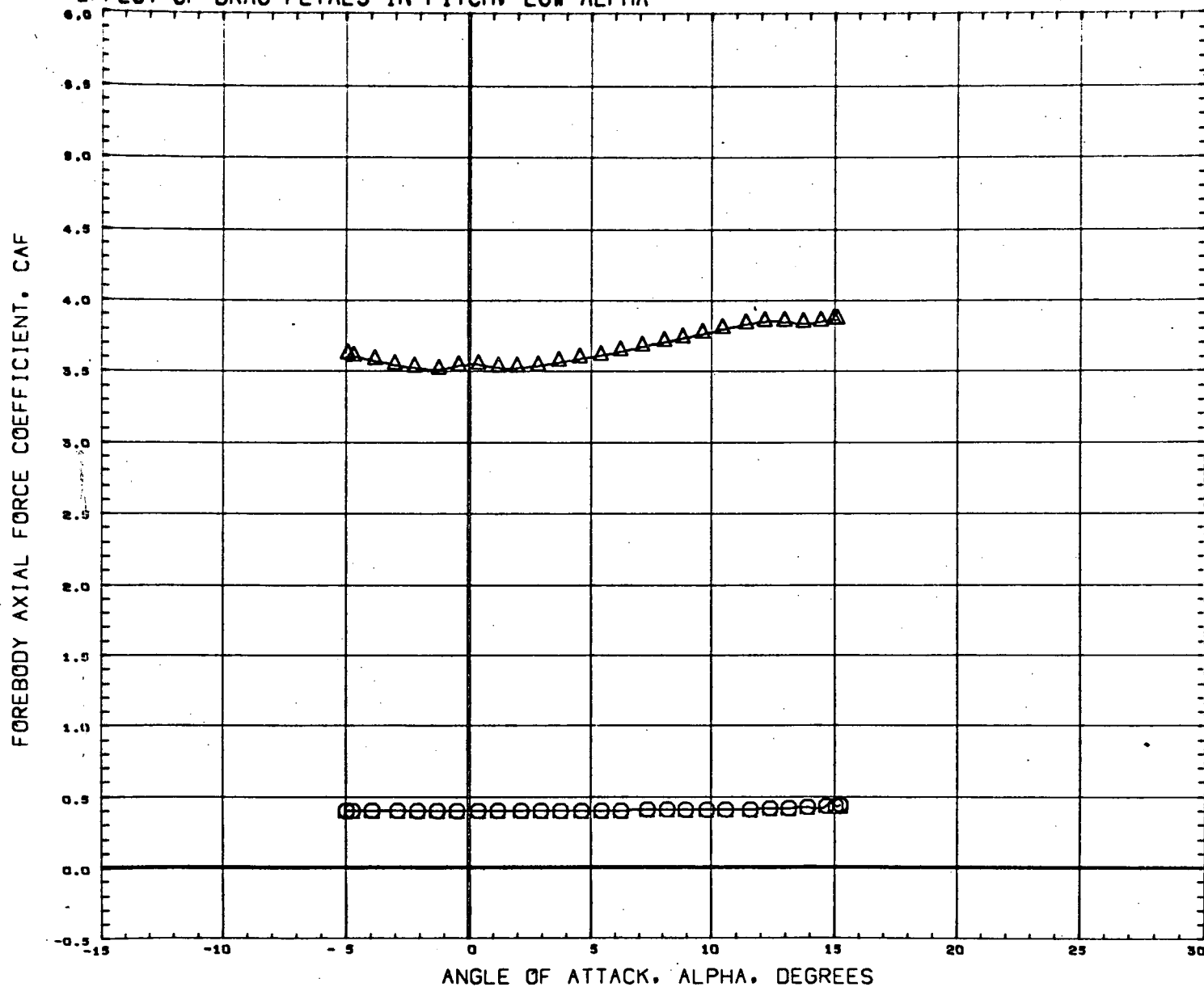


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(RD87Q1)	BTWT 1282/BSWT 557 PR-FED BRB 86S3	0.000		SREF 9.7500 SQ. IN.
(WD8711)	BTWT 1282/BSWT 557 PR-FED BRB 86S305.3	0.000		LREF 17.2830 INCHES
				BREF 17.2830 INCHES
				XMRF 0.6000 LBODY
				YMRF 0.0000 INCHES
				ZMRF 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD8701)	BTWT 1282/BSWT 557	PR-FED BRB	B6S3
(WD8711)	BTWT 1282/BSWT 557	PR-FED BRB	B6S305.3

BETA DELTAV

0.000
0.000

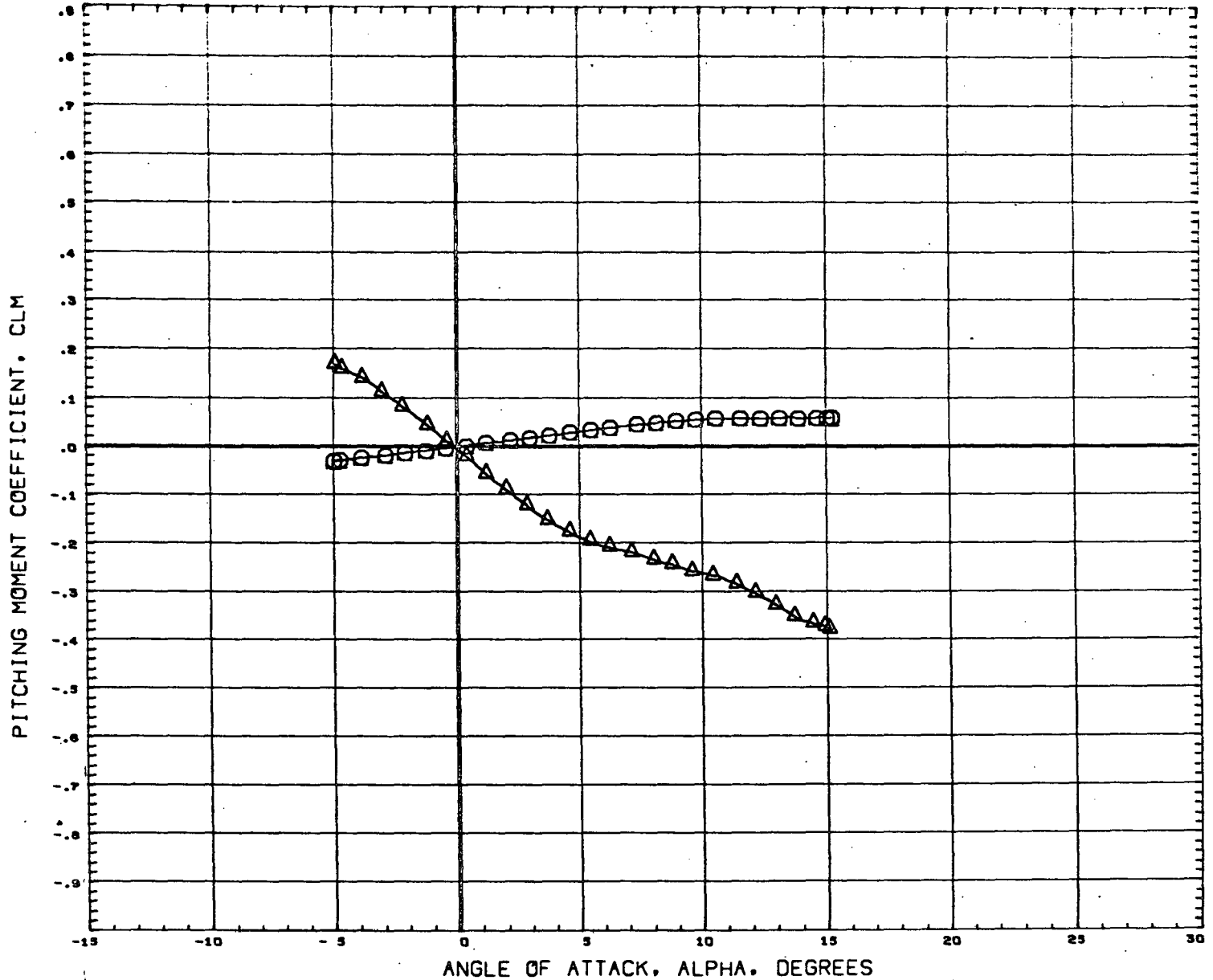
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	17.2830	INCHES
BREF	17.2830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(RD8701)	BTWT 1282/BSWT 557	PR-FED BRB	B6S3	0.000		
(WD8711)	BTWT 1282/BSWT 557	PR-FED BRB	B6S3D5.3	0.000		

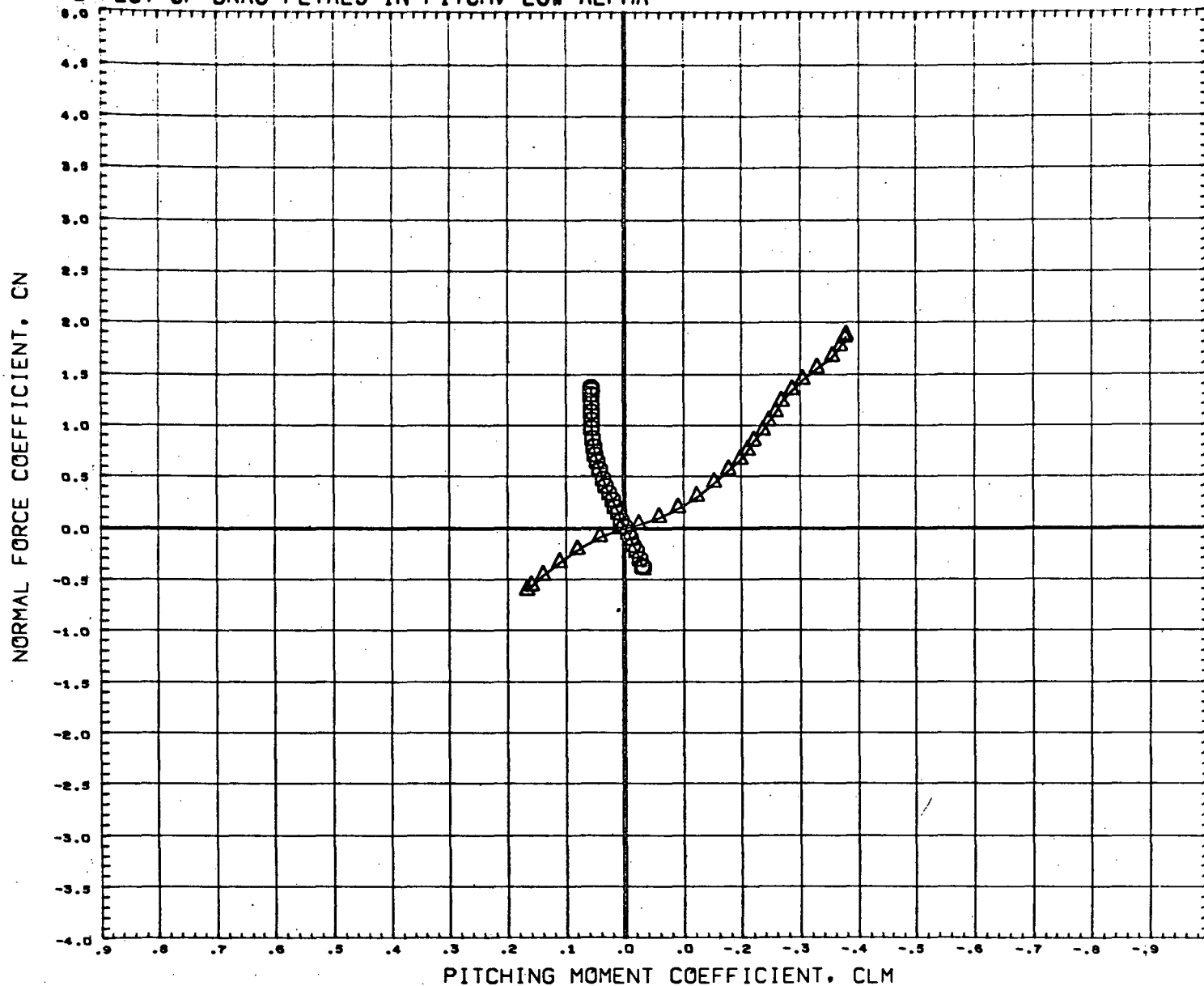
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	17.2830	INCHES
BREF	17.2830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD8701)	Q	8TWT 1282/8SWT 557	PR-FED BRB	86S3
(WD8711)	Δ	8TWT 1282/8SWT 557	PR-FED BRB	86S3D5.3

BETA DELTAV

0.000	0.000
0.000	0.000

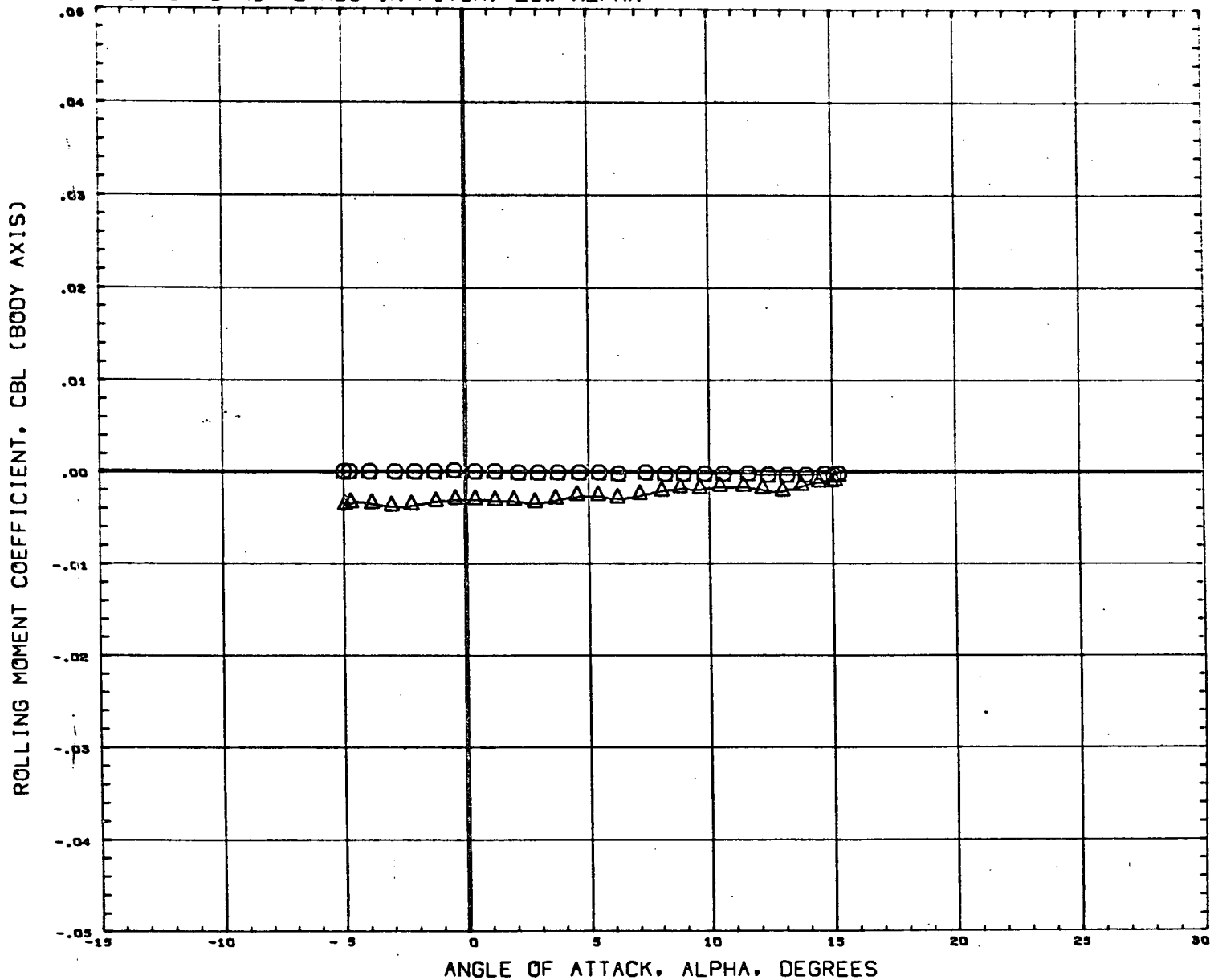
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	17.2630	INCHES
BREF	17.2630	INCHES
XMRF	0.6000	LBOY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA	DELTAV
(RD8701)	Q	BTWT 1262/BSWT 557	PR-FED BRB	86S3	0.000
(WD8711)		BTWT 1262/BSWT 557	PR-FED BRB	86S305.3	0.000

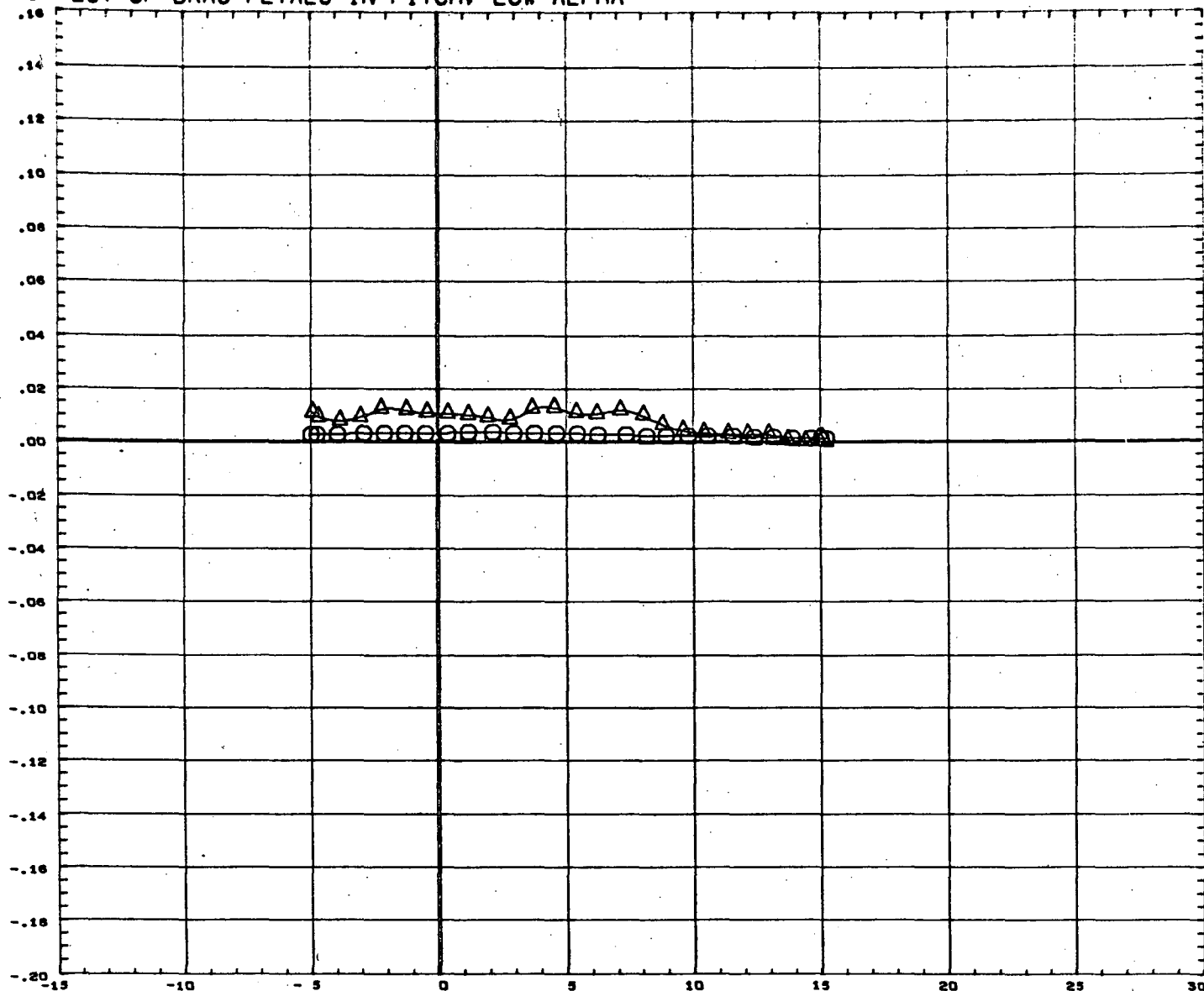
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	17.2630	INCHES
BREF	17.2630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 3.98

PAGE 398

# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

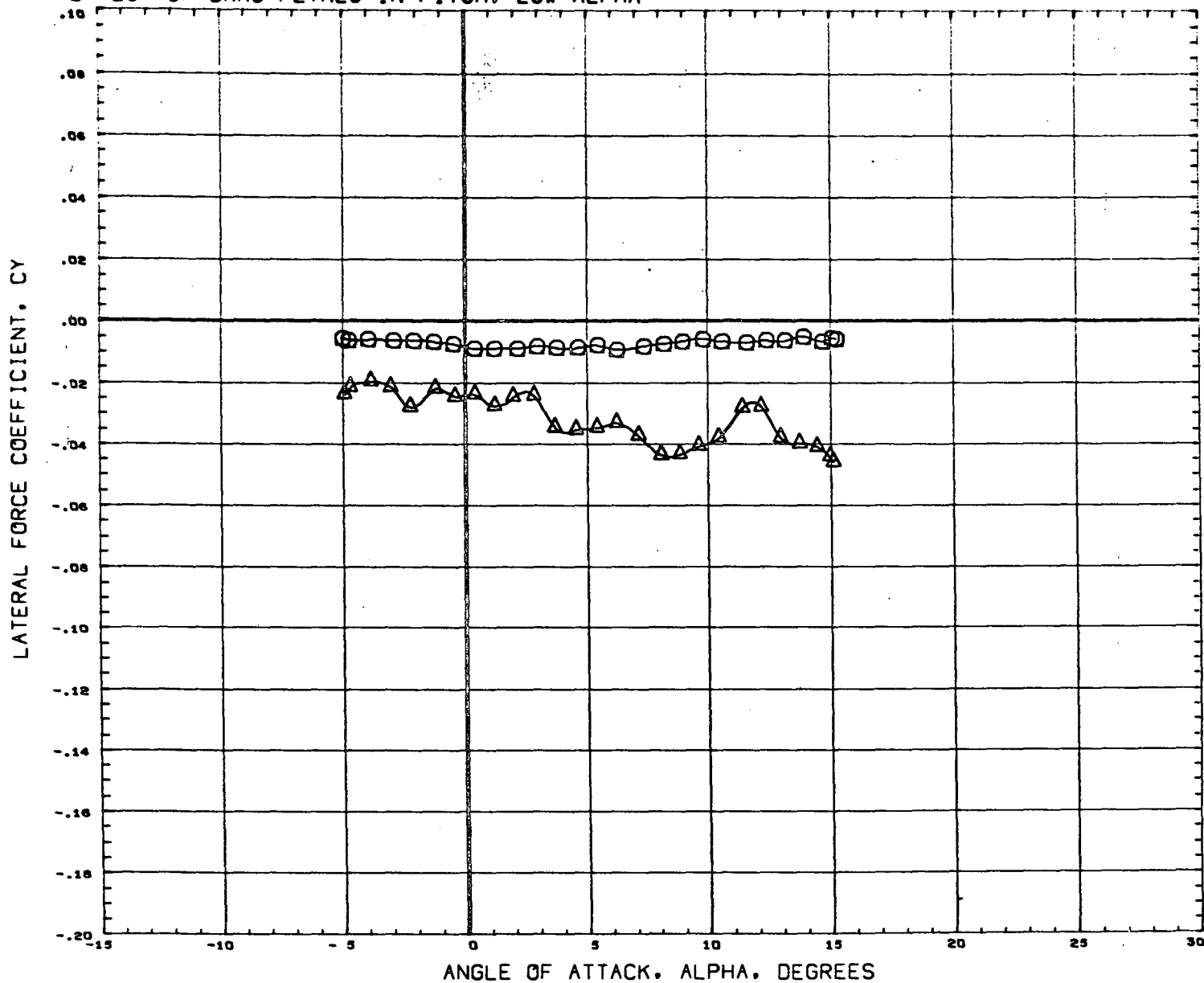
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(RD6701)	BTWT 1262/BSWT 557 PR-FED BRB 8653	0.000	
(WD6711)	BTWT 1262/BSWT 557 PR-FED BRB 865305.3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	17.2830	INCHES
BREF	17.2830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN PITCH, LOW ALPHA



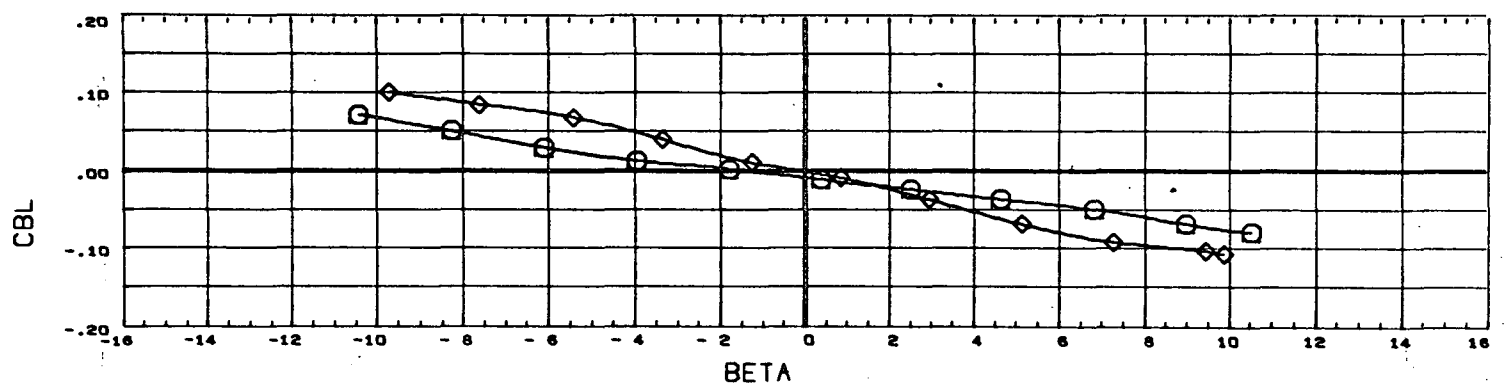
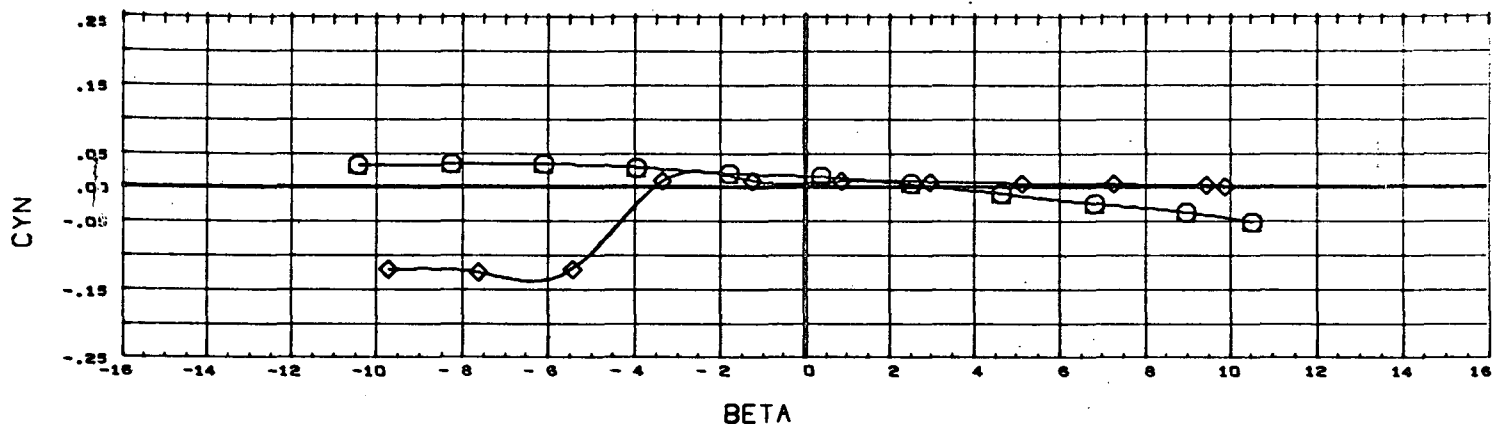
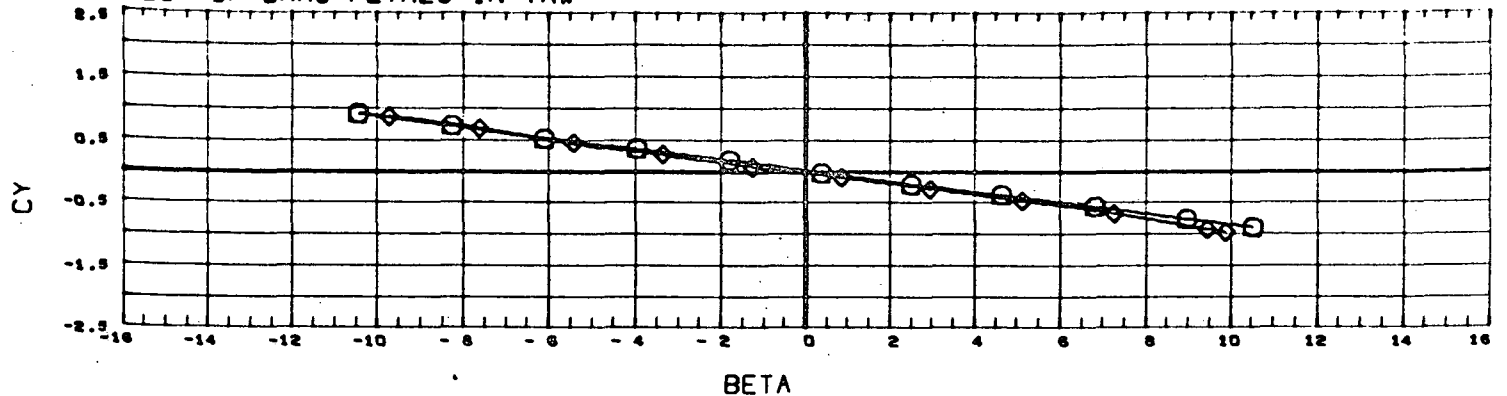
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(RD8701)	Q	BTWT 1262/BSWT 557	PR-FED BRB	B6S3	0.000	
(WD8711)	A	BTWT 1262/BSWT 557	PR-FED BRB	B6S3D5.3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	17.2630	INCHES
BREF	17.2630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08505)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(W08555)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(W08365)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6

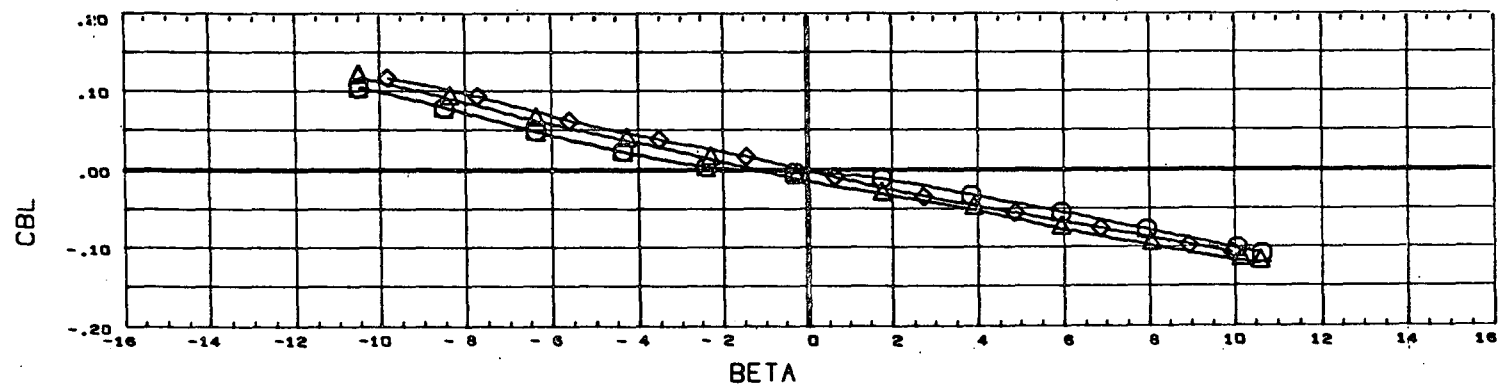
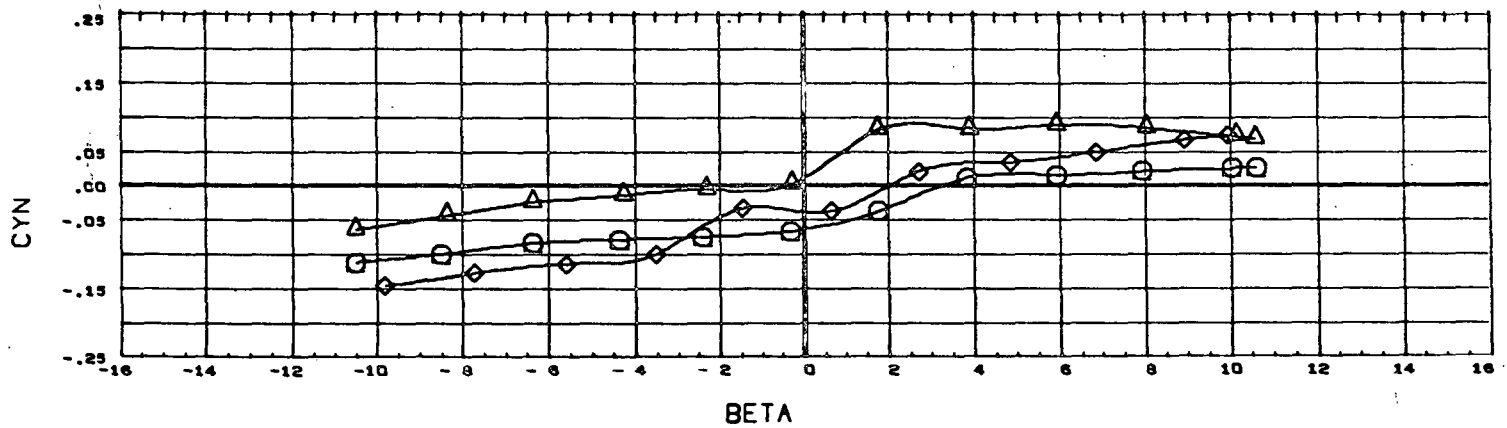
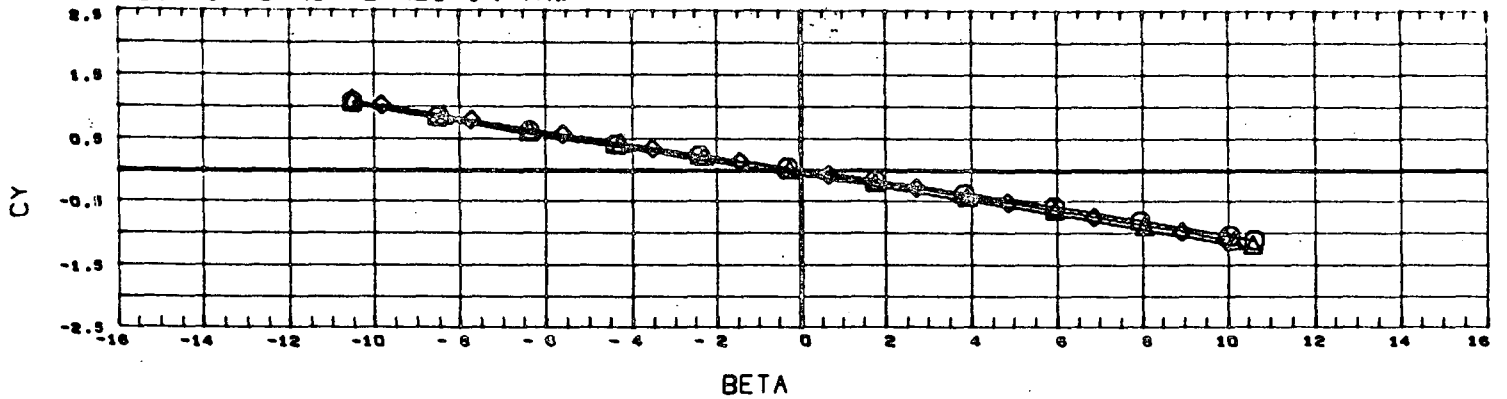
ALPHA	DELTA V
10.000	0.000
10.000	0.000
10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN YAW

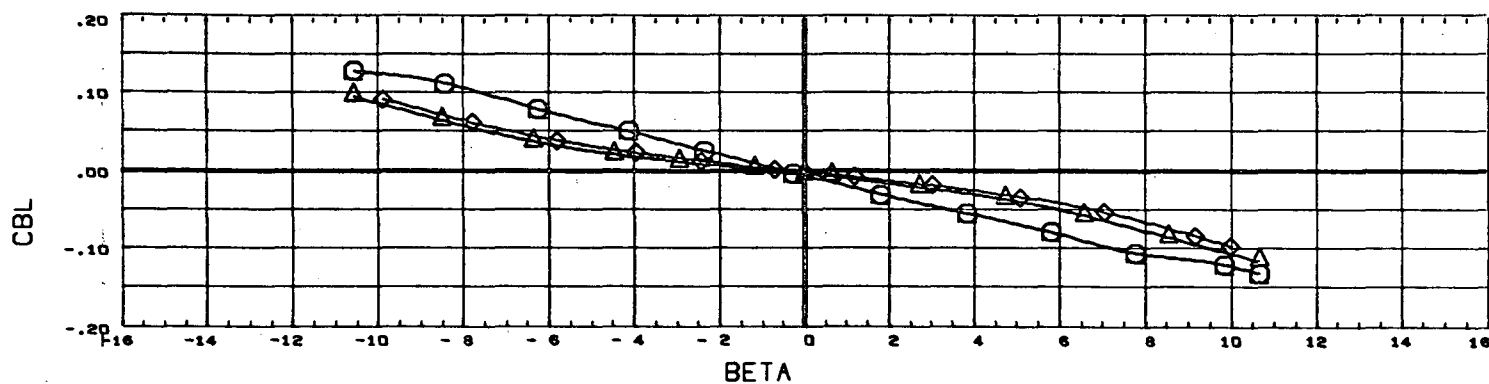
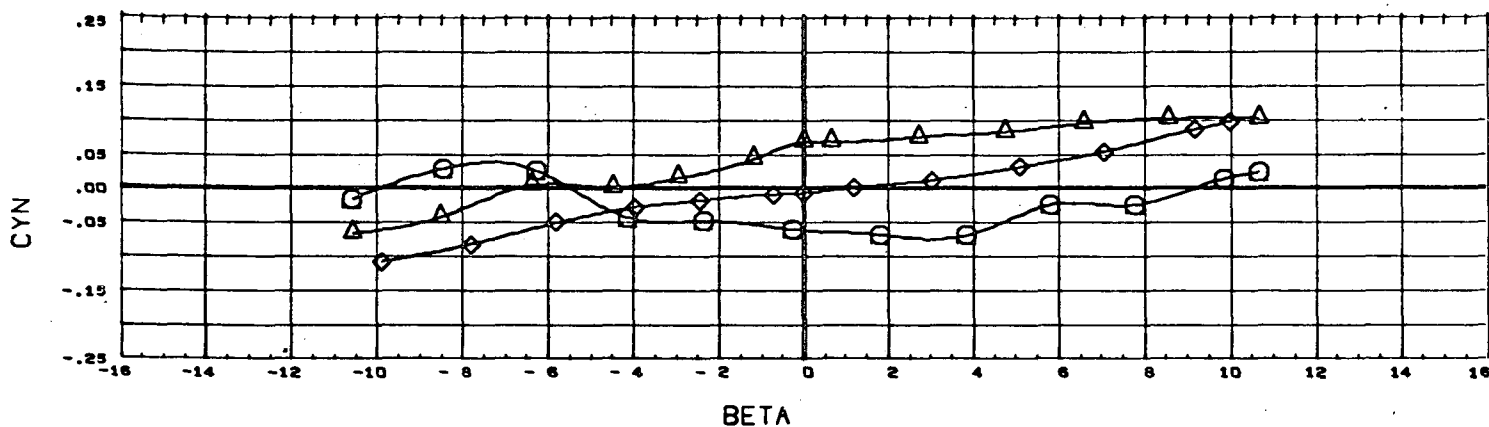
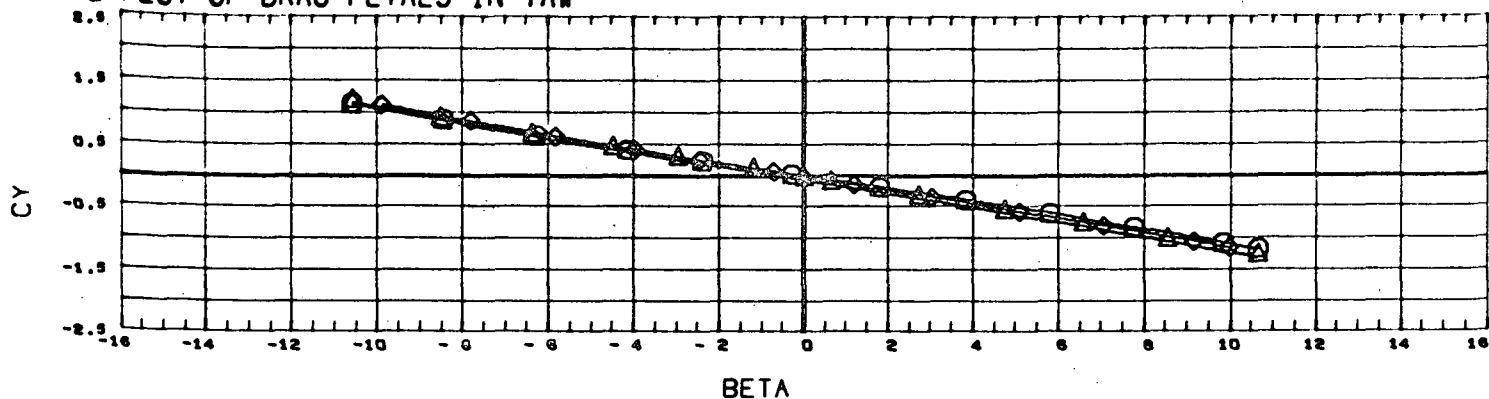


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(WD8505)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000	SREF 9.7500 SQ. IN.
(WD8555)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6F	10.000	0.000	LREF 14.6830 INCHES
(WD8365)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6	10.000	0.000	BREF 14.6830 INCHES
				XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCNT

MACH .90

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# EFFECT OF DRAG PETALS IN YAW



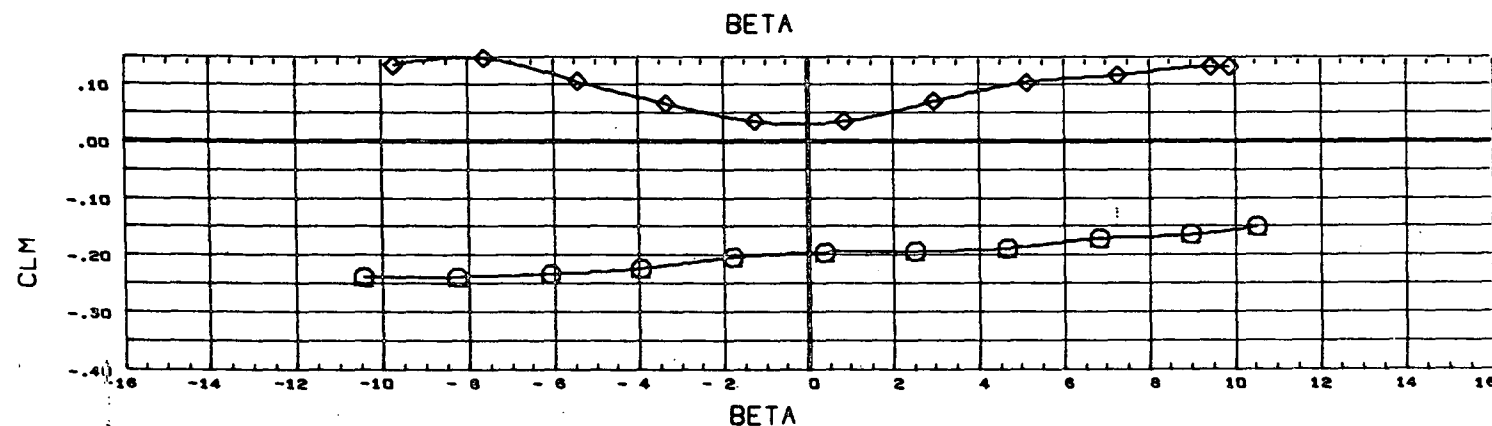
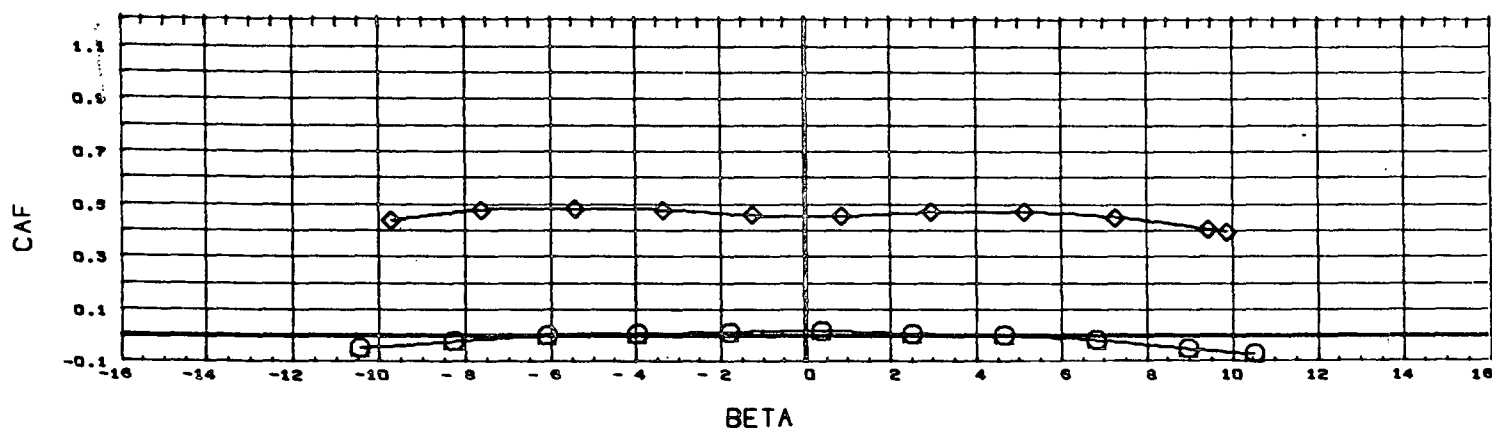
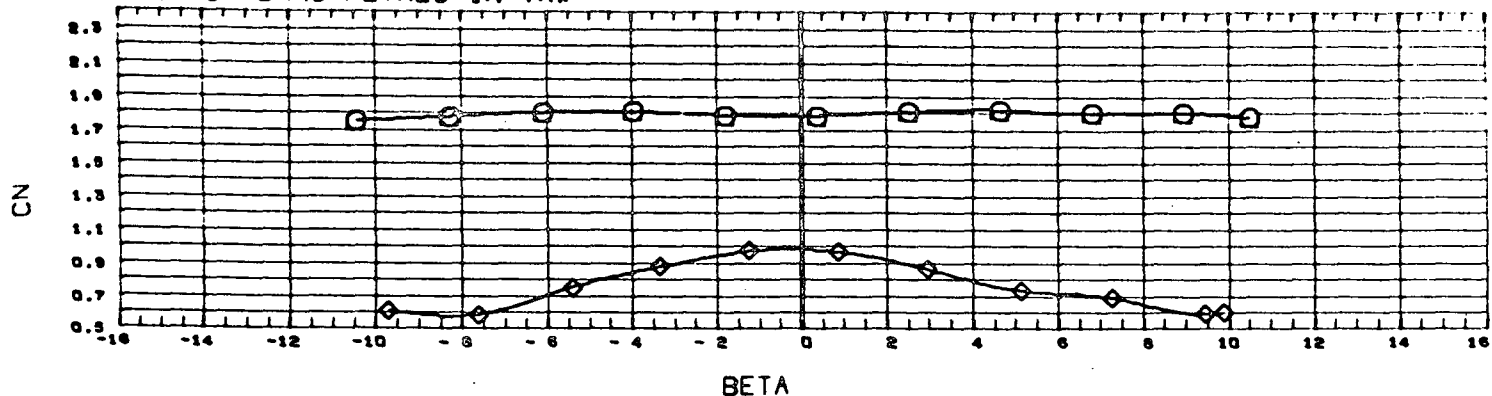
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(W08305)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(W08355)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6F	10.000	0.000
(W08365)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6	10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN YAW

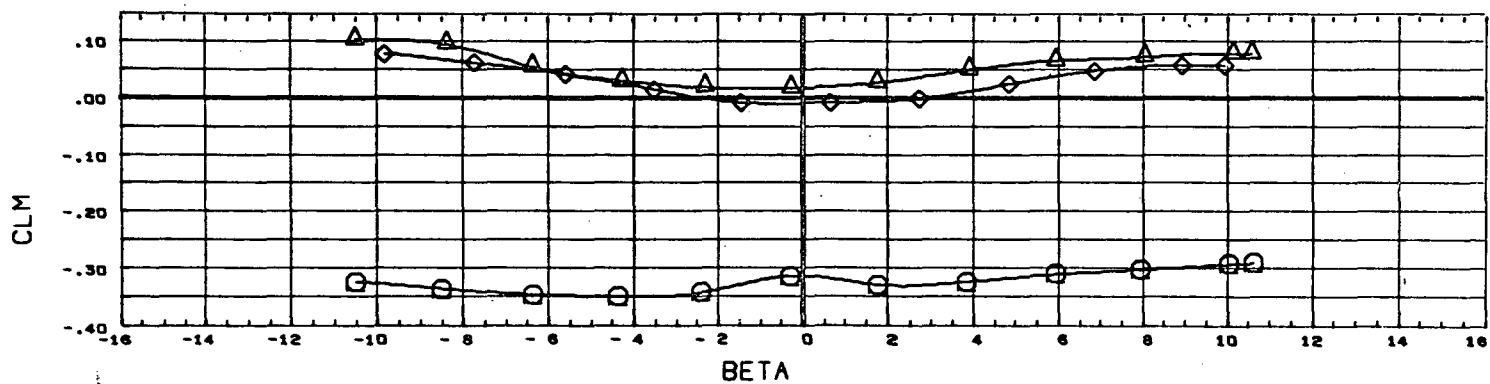
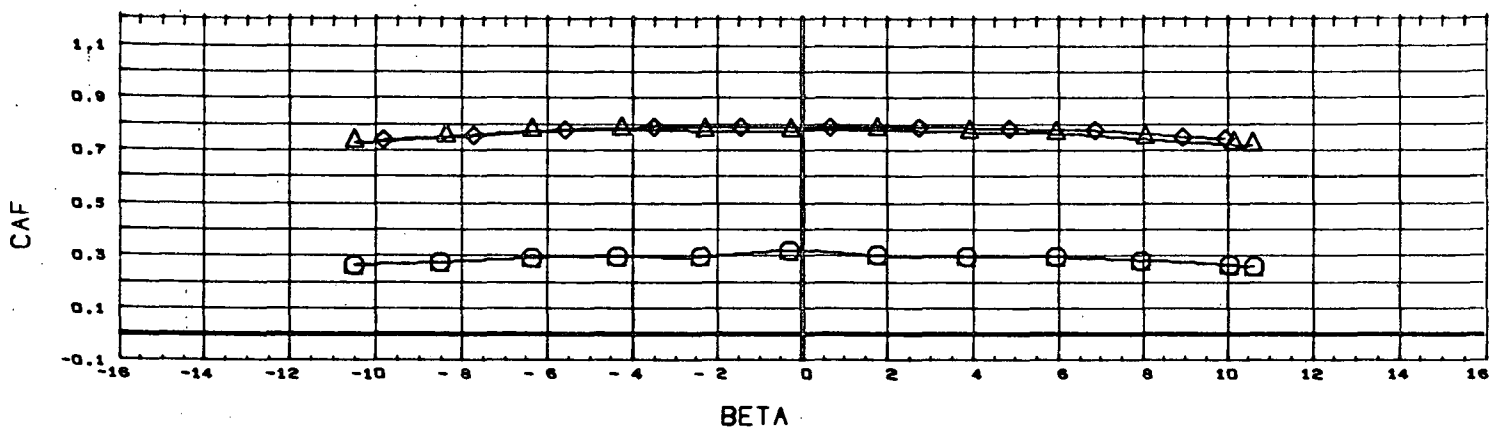
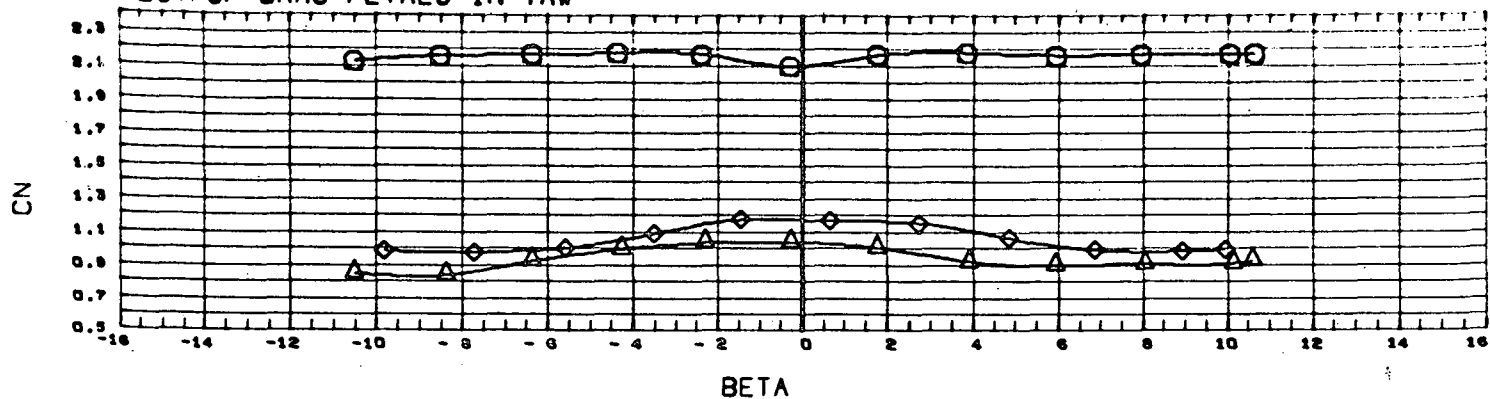


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(W08505)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3V6F	10.000	0.000
(W08555)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000
(W08365)	BTWT 1282/BSWT 557 PR-FED BR8 B5S3D1.5V6	10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT



# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(W08505)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(W08555)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6F
(W08365)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6

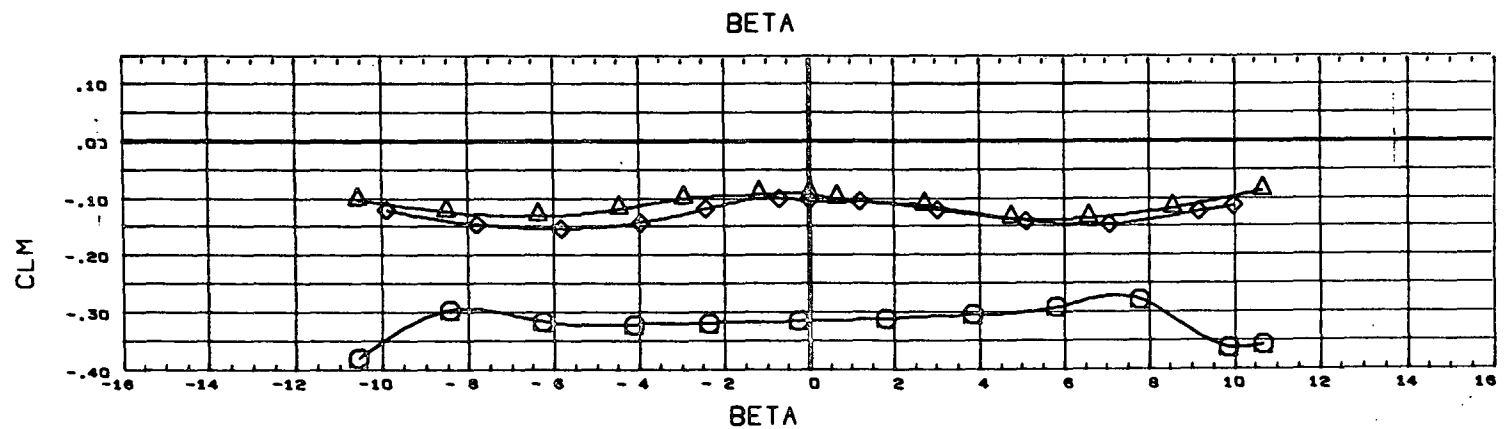
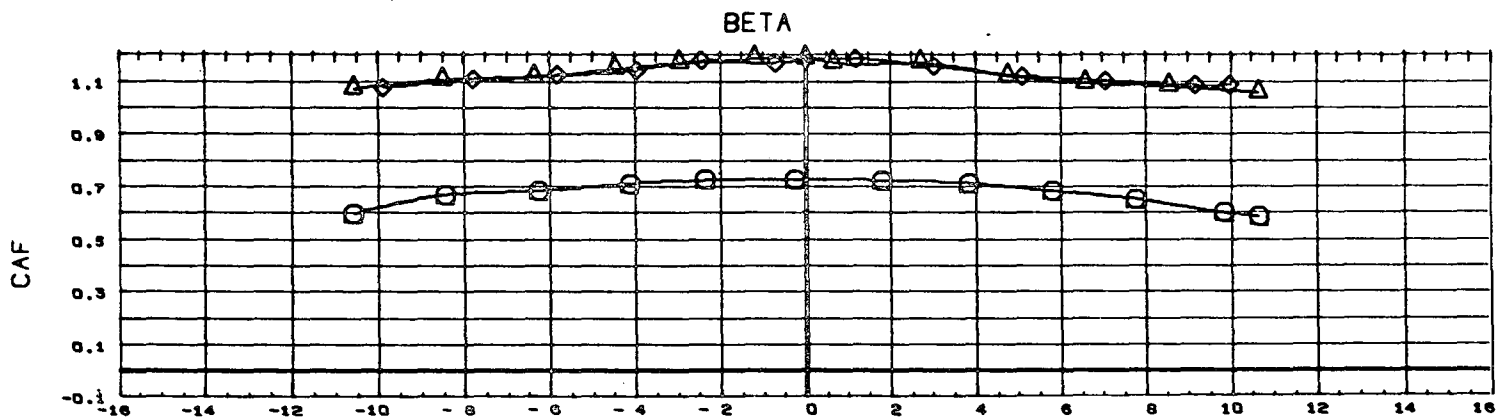
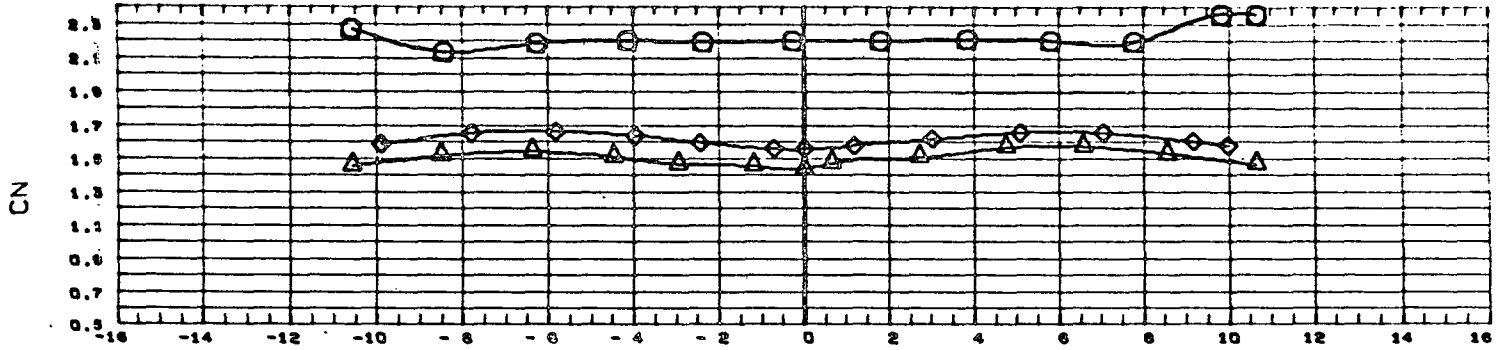
ALPHA	DELTAV
10.000	0.000
10.000	0.000
10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH .90

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# EFFECT OF DRAG PETALS IN YAW



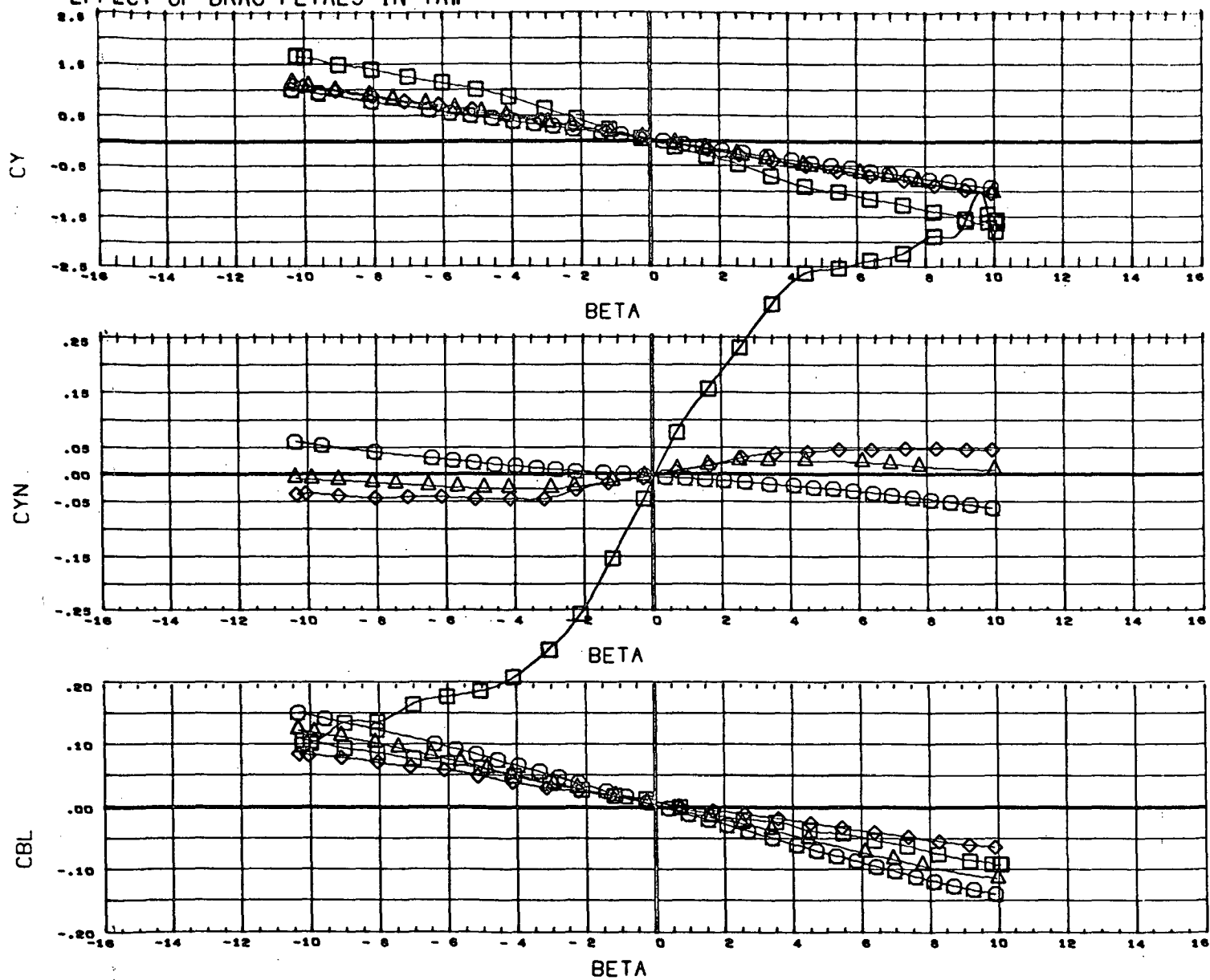
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTAV
(WD8503)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(WD8553)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6F	10.000	0.000
(WD8365)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D1.5V6	10.000	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCNT

MACH 1.05

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# EFFECT OF DRAG PETALS IN YAW



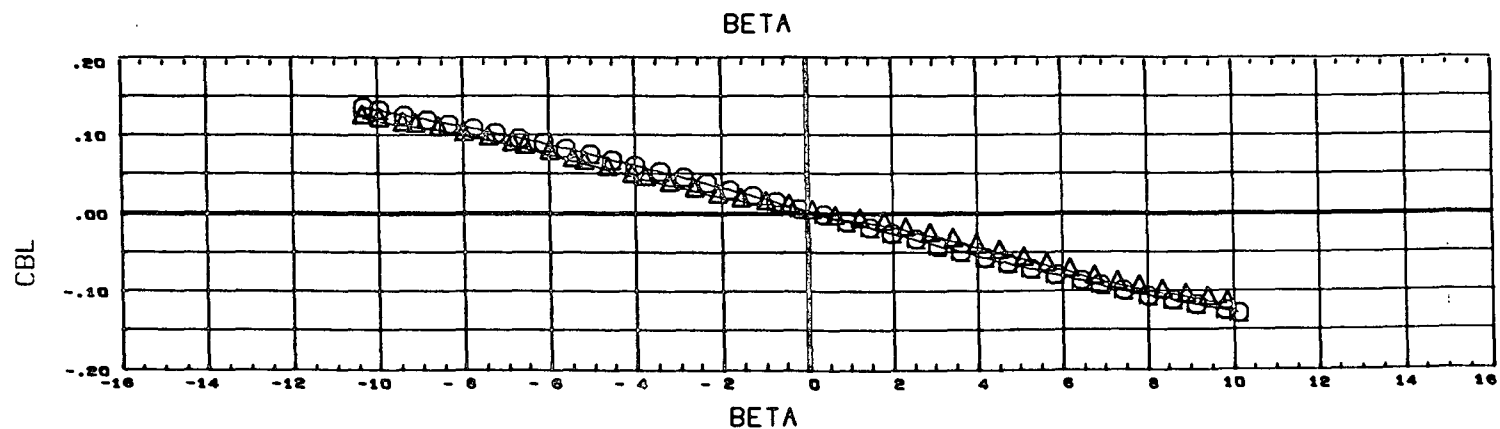
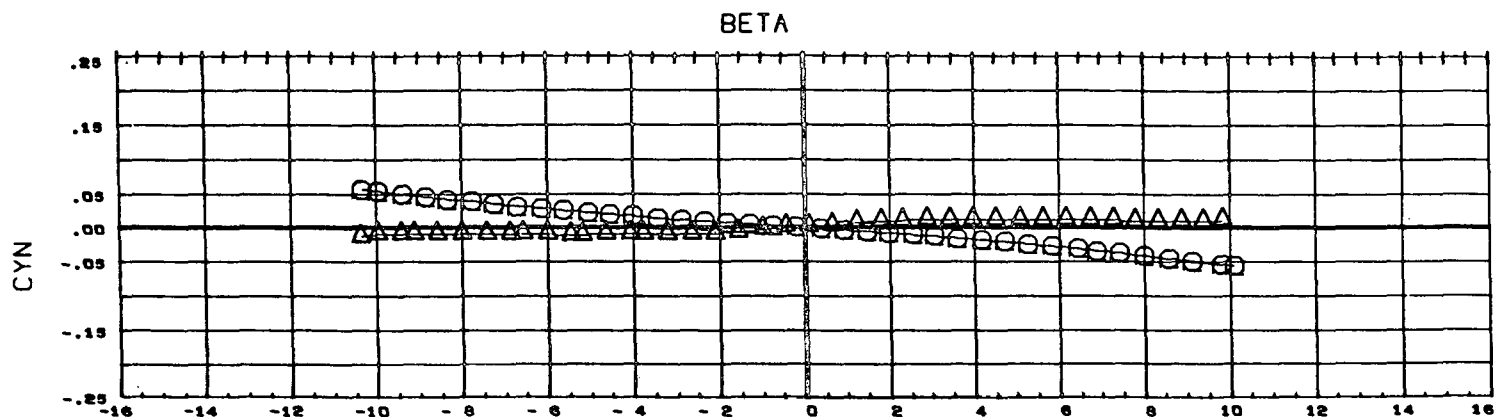
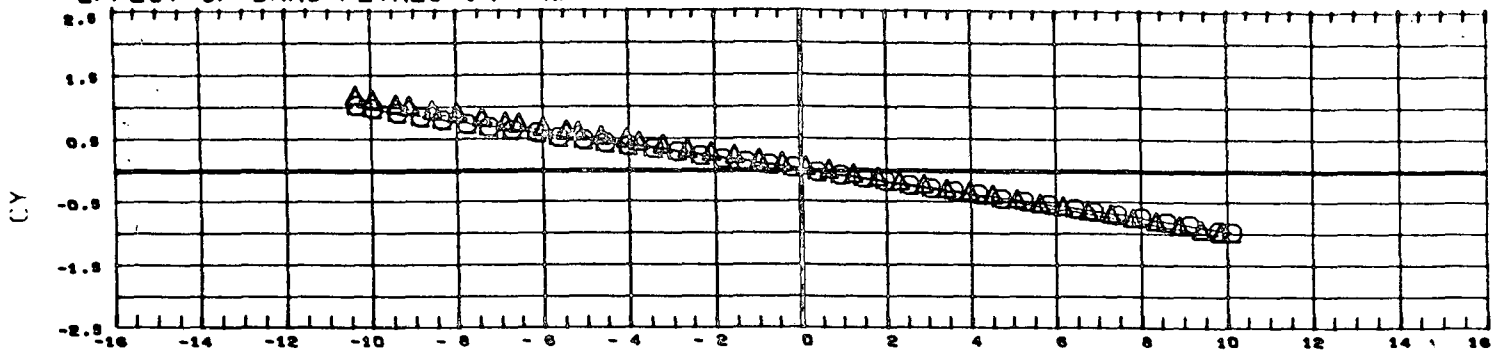
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTAV
(RD8403)	○	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8333)	△	BTWT 1262/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000
(WD8333)	◇	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.5V6.1	0.000	0.000
(WD8343)	□	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 1.40

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8403)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8353)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6
(WD8333)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8343)	DATA NOT AVAILABLE FOR ALL CONDITIONS

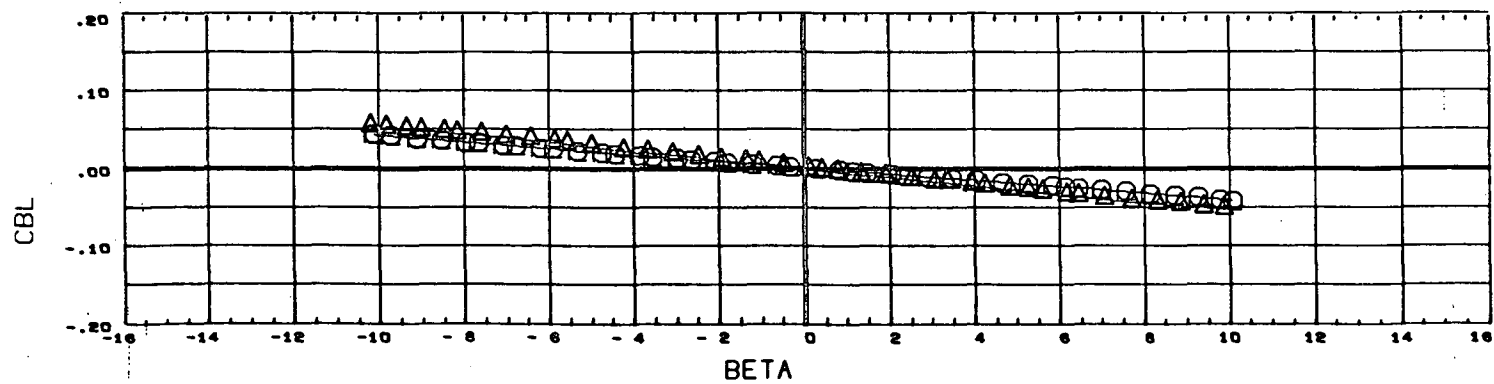
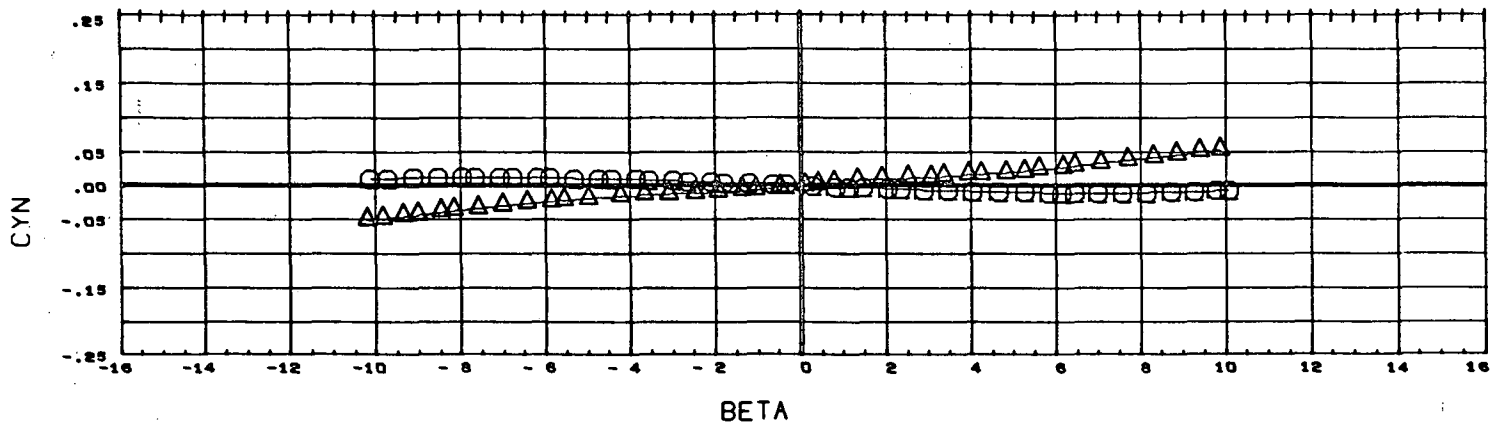
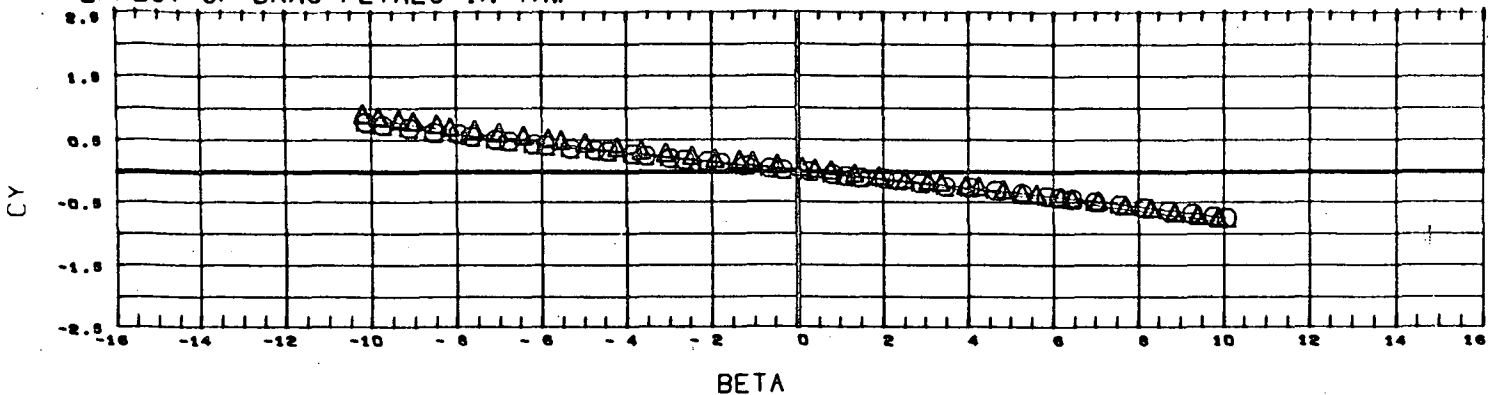
ALPHA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.60

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R08403)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V6
(R08353)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D4.5V6
(W08333)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(W08343)	DATA NOT AVAILABLE FOR ALL CONDITIONS

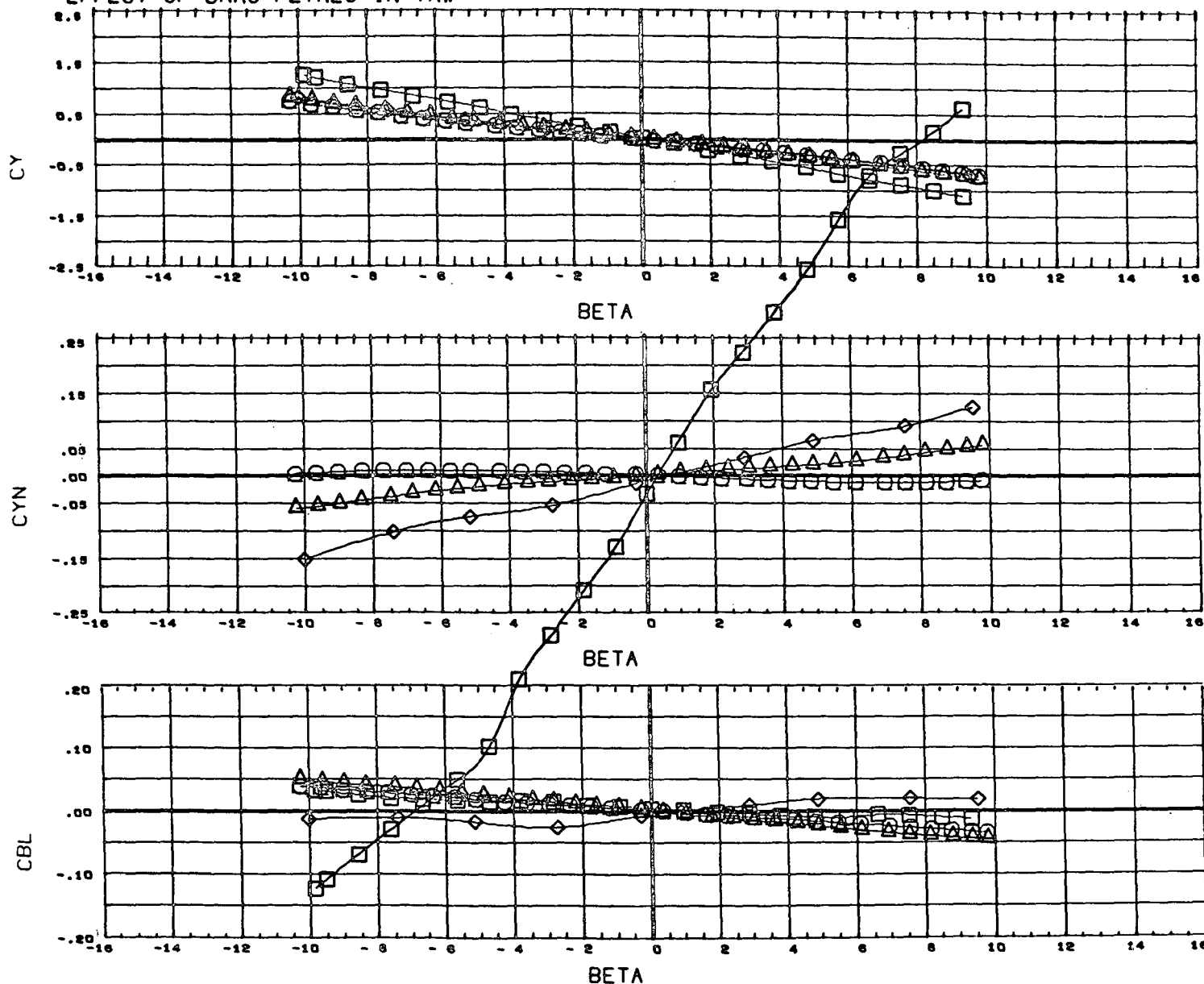
ALPHA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN YAW



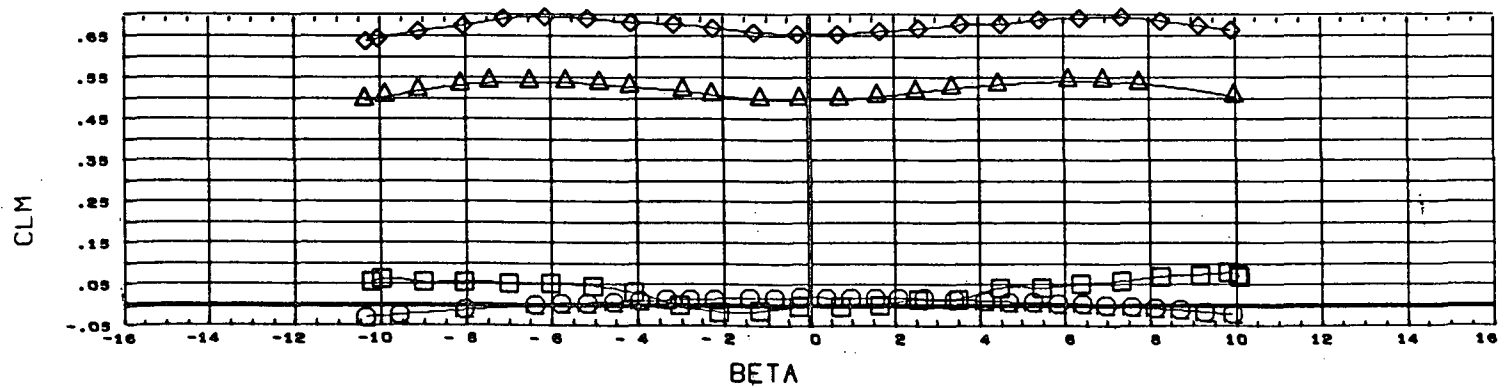
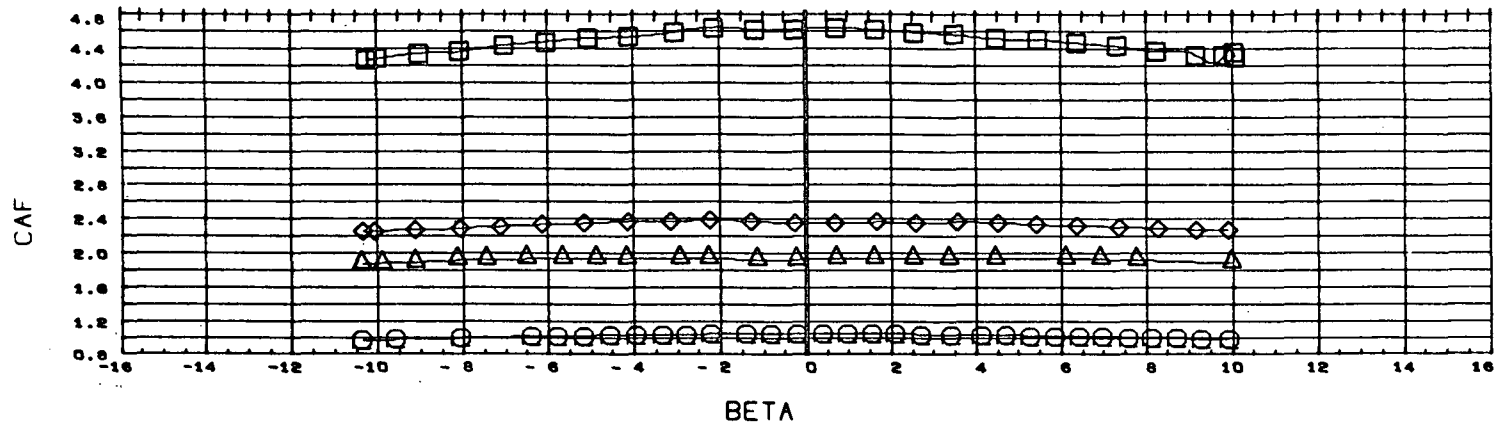
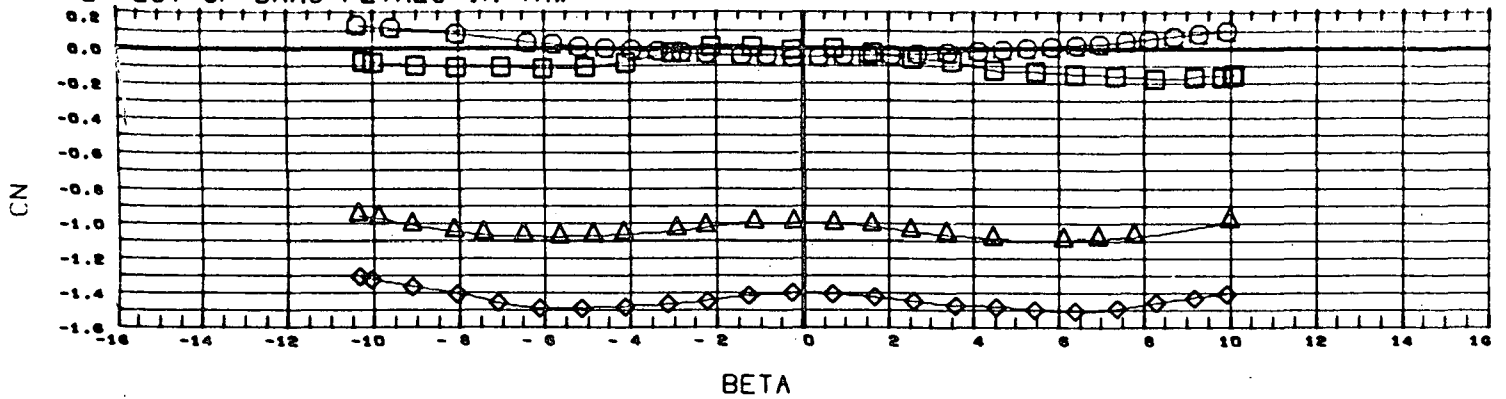
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(RD8403)	BTWT 1282/BSWT 337 PR-FED BRB B9S3V6	0.000	0.000
(RD8353)	BTWT 1282/BSWT 337 PR-FED BRB B9S3D4.5V6	0.000	0.000
(WD8333)	BTWT 1282/BSWT 337 PR-FED BRB B9S3D10.5V6.1	0.000	0.000
(WD8343)	BTWT 1282/BSWT 337 PR-FED BRB B9S3D10.6V6.1	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 3.98

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8403)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6
(RD8353)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D4.5V6
(WD8333)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.5V6.1
(WD8343)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.6V6.1

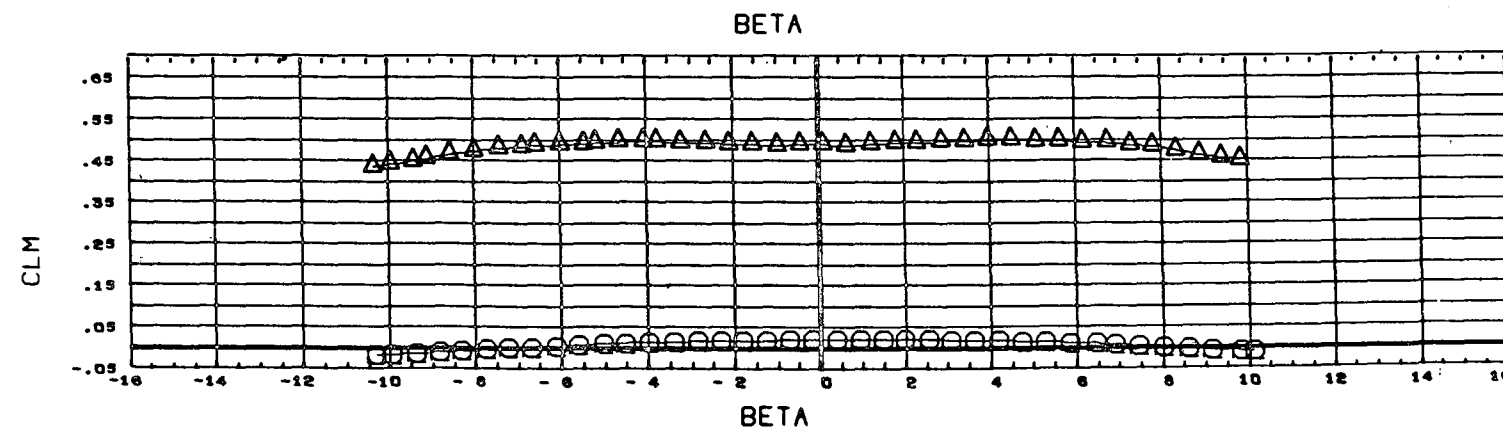
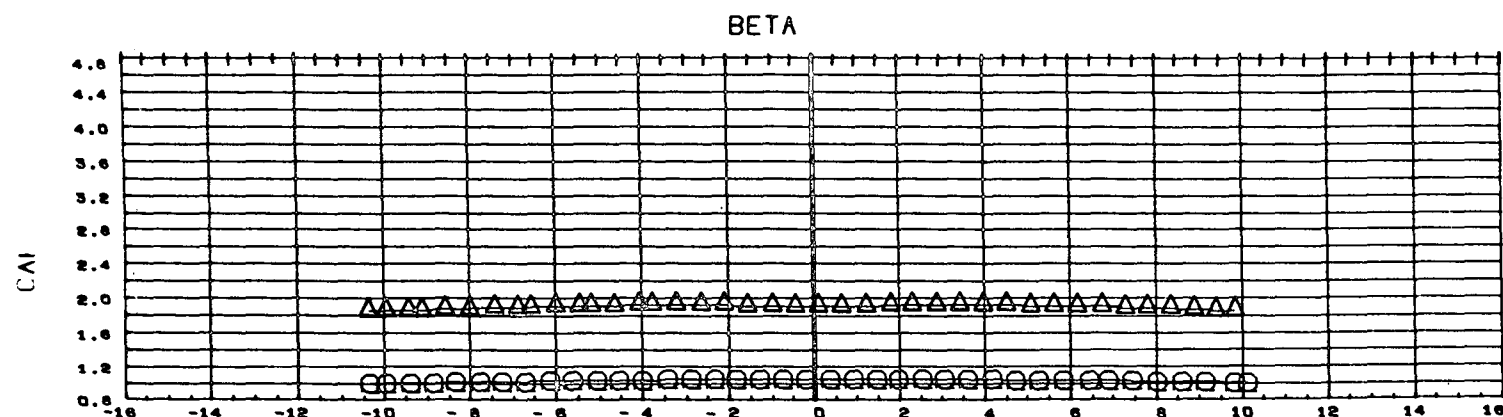
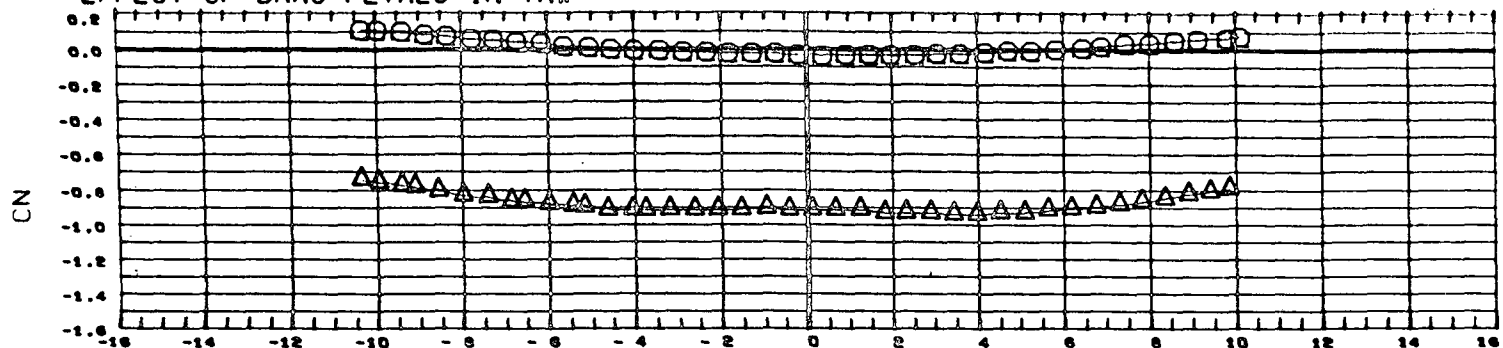
ALPHA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8699 PERCENT

MACH 1.40

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8403)	BTWT 1262/BSWT 957 PR-FED BRB B5S3V6
(RD8353)	BTWT 1262/BSWT 957 PR-FED BRB B5S3D4.9V6
(WD8333)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8343)	DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

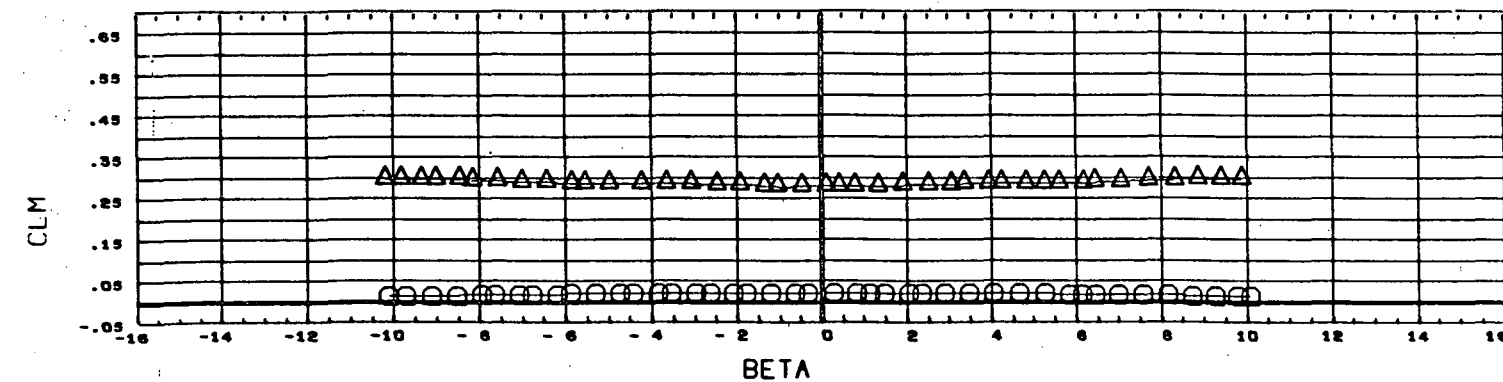
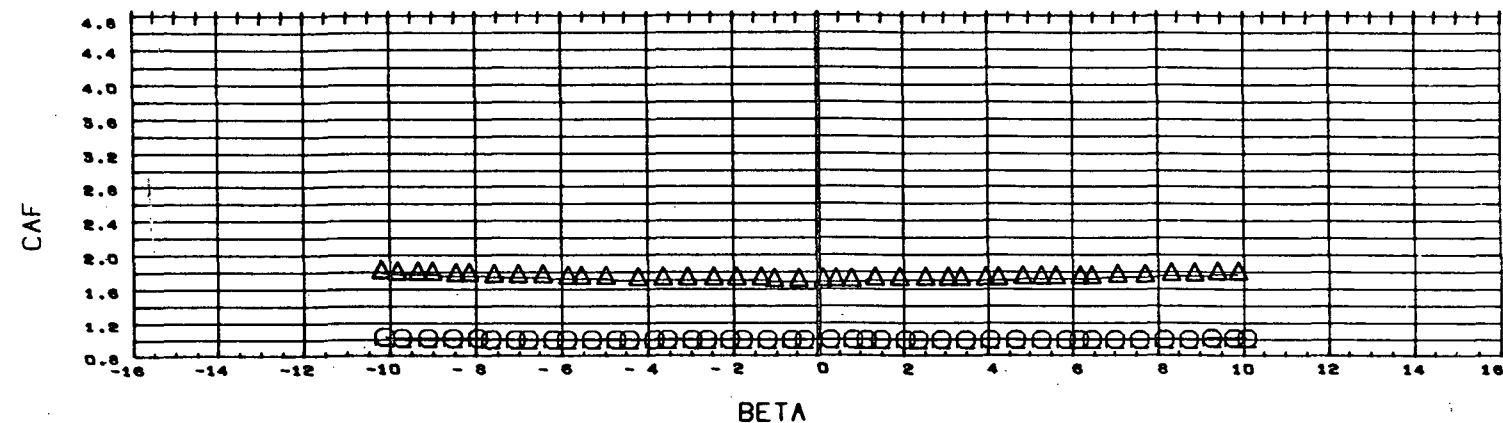
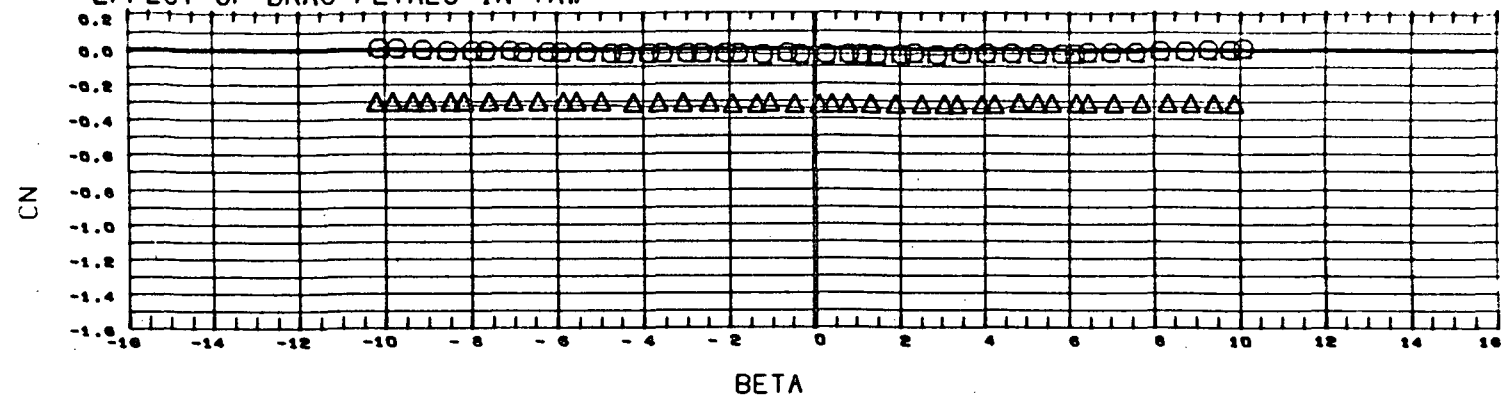
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LEOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCNT

MACH 1.60

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8403)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6
(RD8353)	BTWT 1262/BSWT 557 PR-FED BRB 8553D4.5V6
(WD8333)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(WD8343)	DATA NOT AVAILABLE FOR ALL CONDITIONS

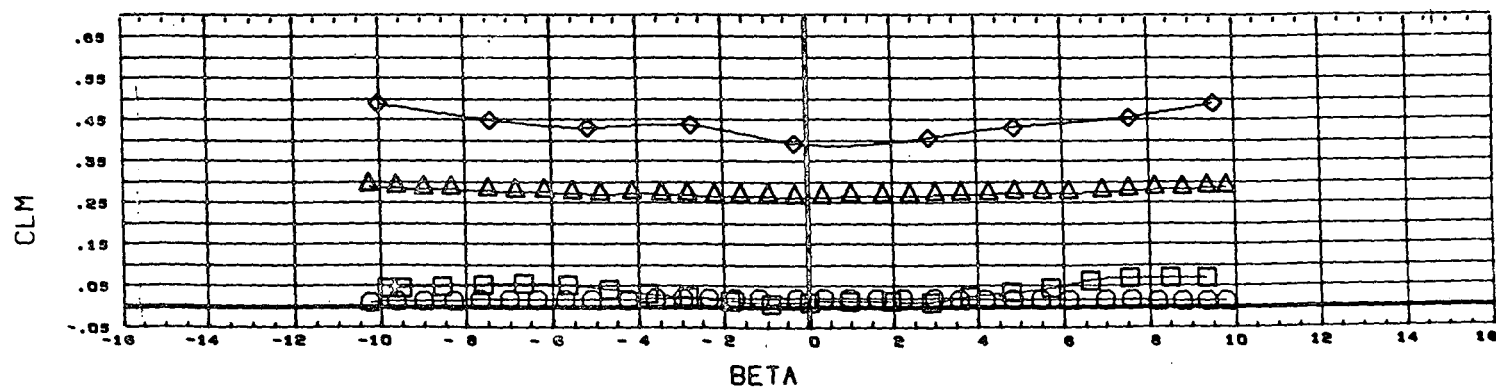
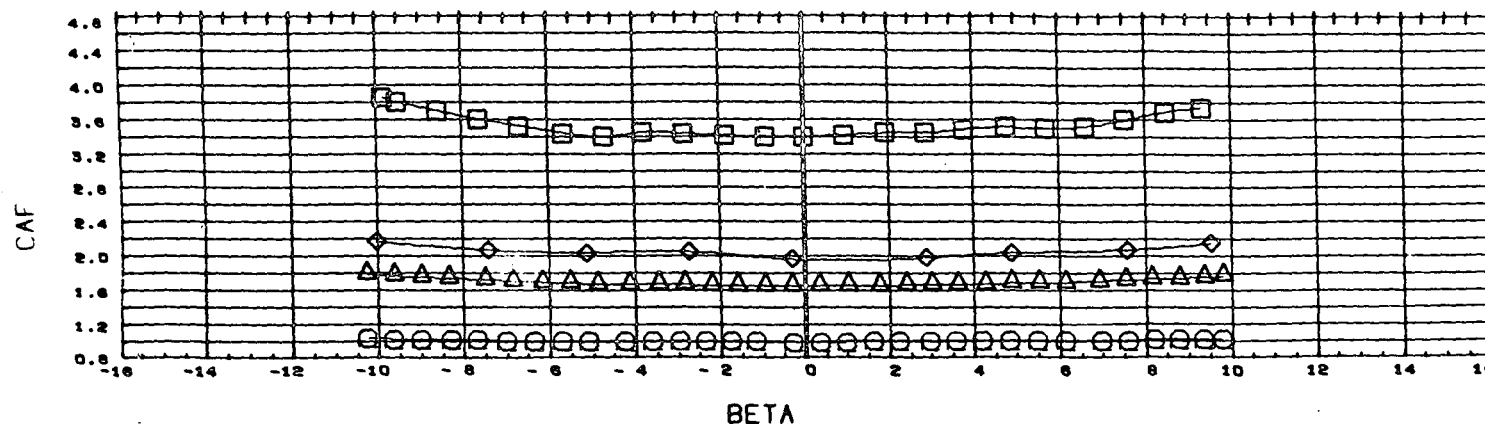
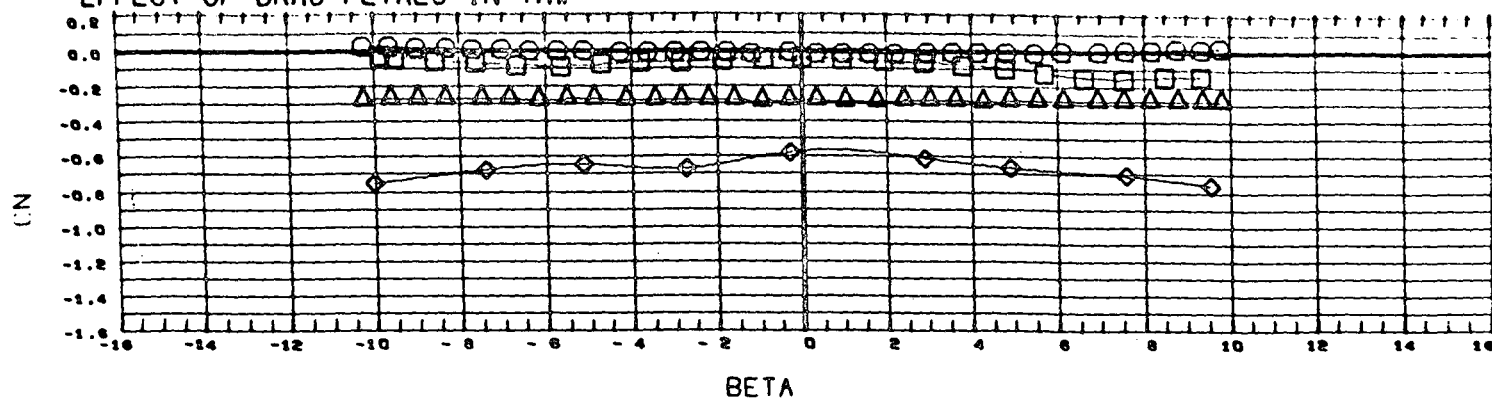
ALPHA	DELTA V
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 3.51

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# EFFECT OF DRAG PETALS IN YAW



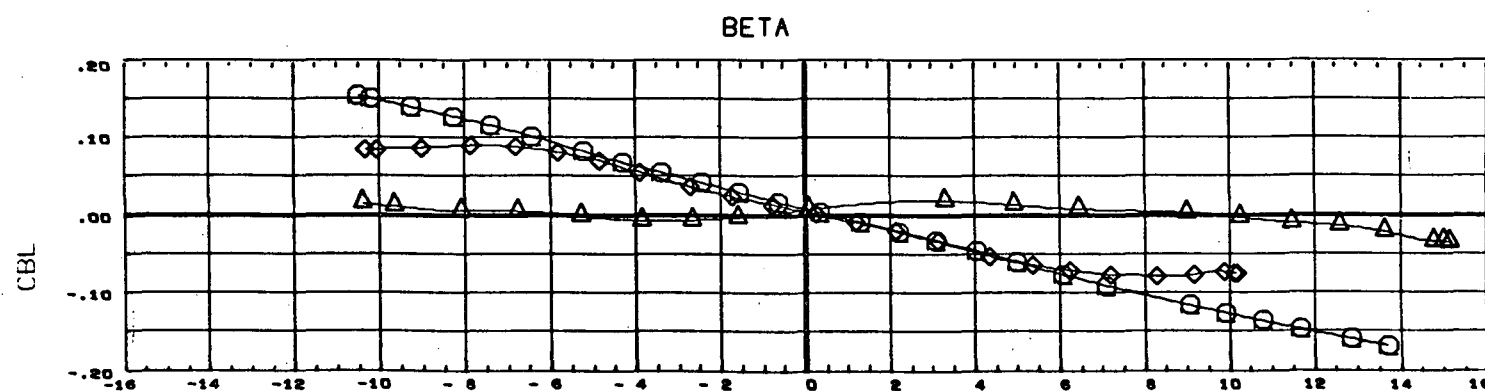
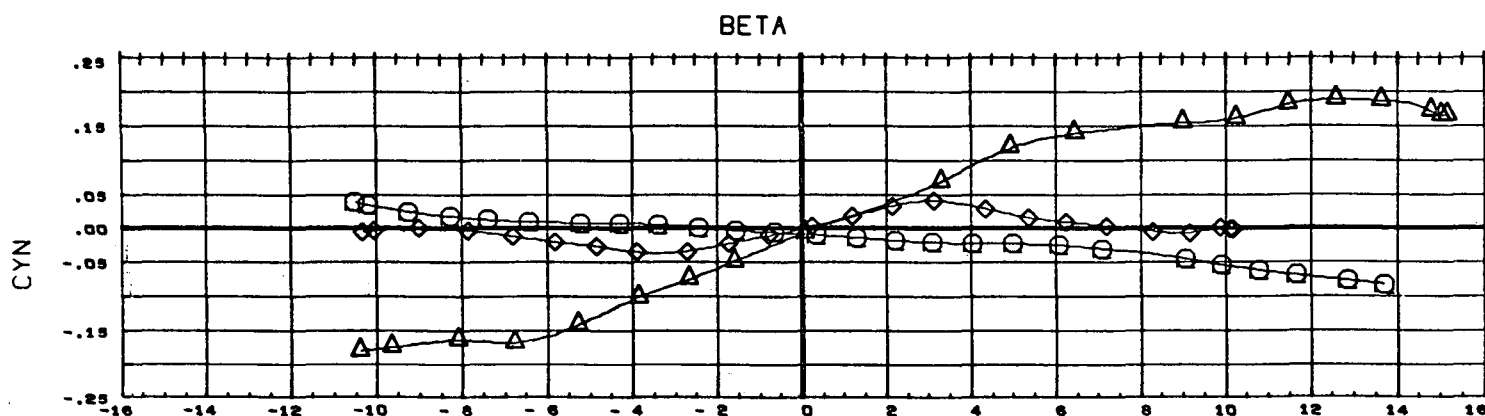
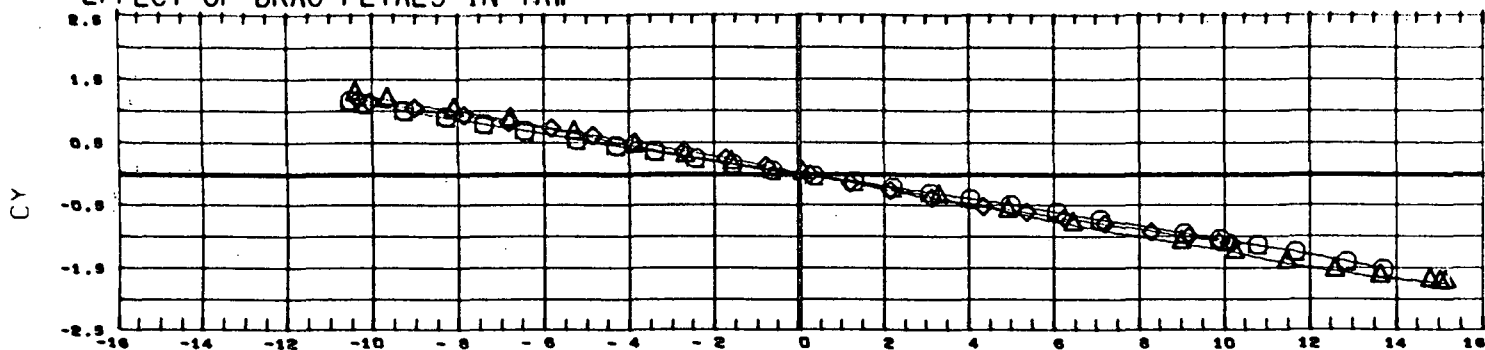
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(RD8403)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(RD8353)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D4.5V6	0.000	0.000
(WD8333)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.5V6.1	0.000	0.000
(WD8343)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.6V6.1	0.000	0.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LB/OY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN YAW



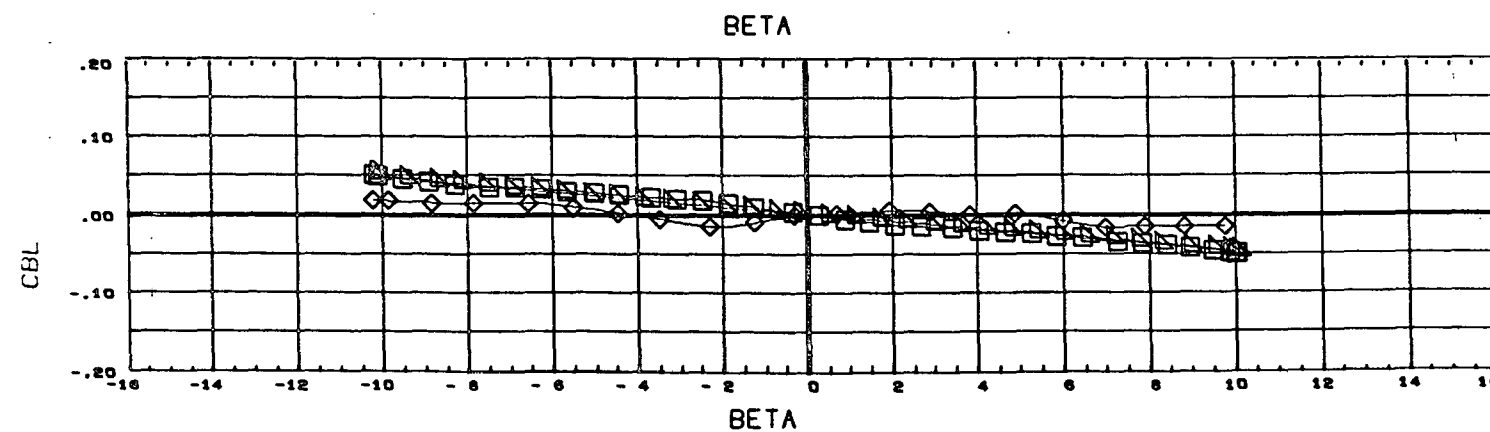
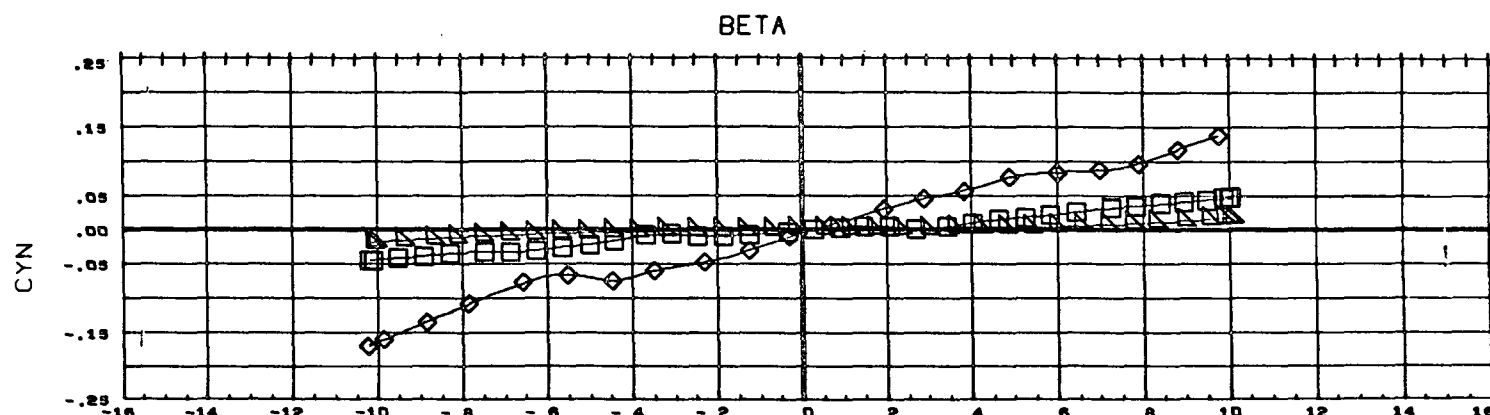
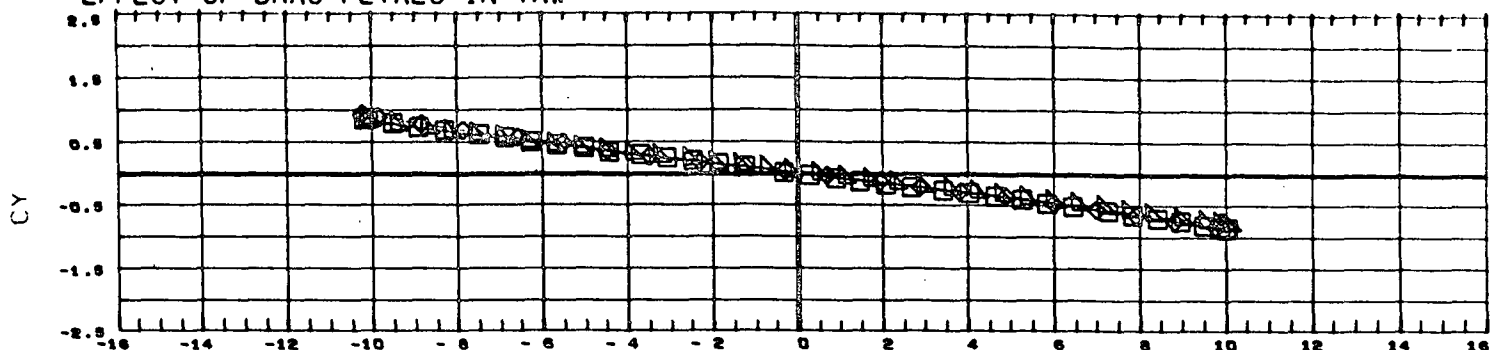
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8314)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V6.1
(RD8304)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D9.4V6.1
(WD8334)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D10.5V6.1
(RD8364)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8404)	DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	DELTA V
7.700	0.000
7.700	0.000
7.700	0.000
7.700	0.000
7.700	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.40

# EFFECT OF DRAG PETALS IN YAW

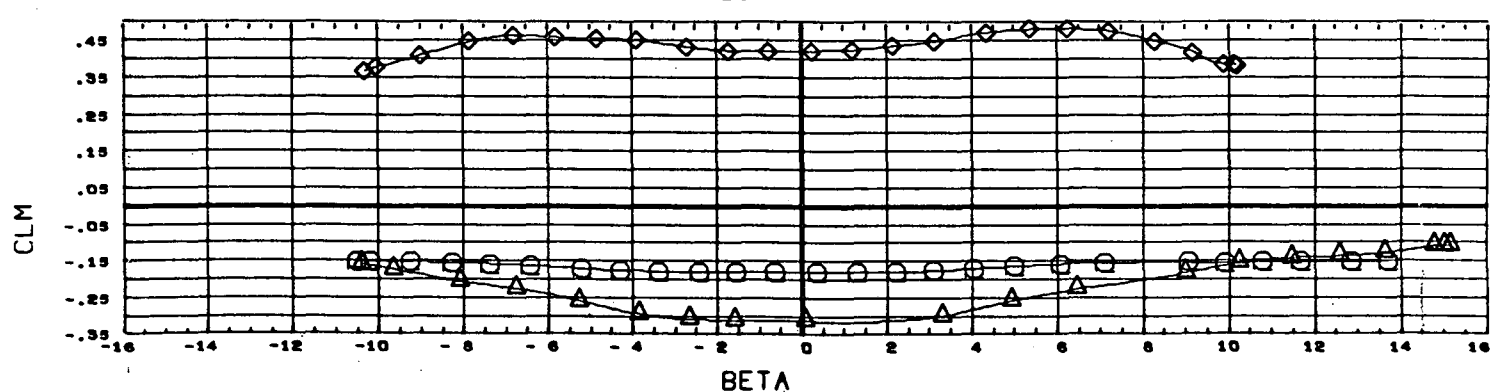
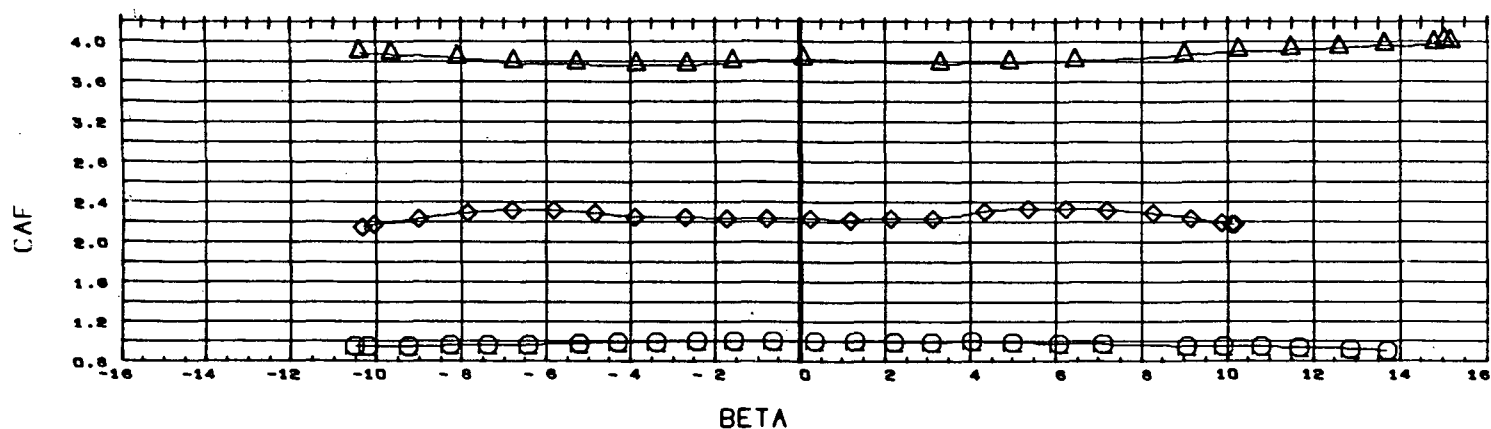
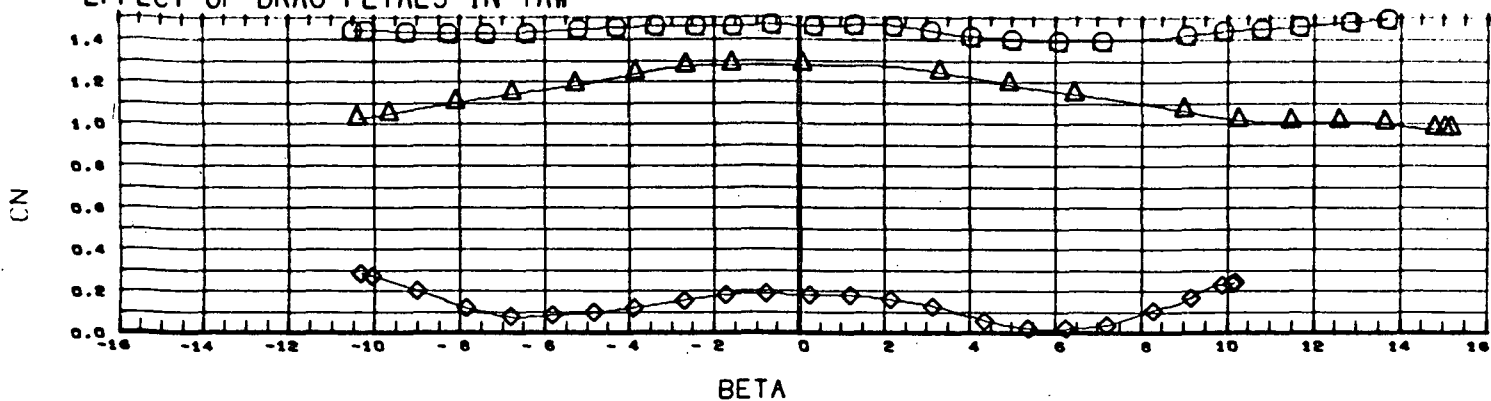


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION	
(WD8314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000	SREF	9.7500 SQ. IN.
(RD8304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000	LREF	14.6830 INCHES
(WD8334)	BTWT 1282/BSWT 557 PR-FED BRB B553D10.5V6.1	7.700	0.000	BREF	14.6830 INCHES
(RD8364)	BTWT 1282/BSWT 557 PR-FED BRB B553D1.5V6	7.700	0.000	XMRP	0.6000 LBODY
(RD8404)	BTWT 1282/BSWT 557 PR-FED BRB B553V6	7.700	0.000	YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8699 PERCENT

MACH 3.98

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# EFFECT OF DRAG PETALS IN YAW



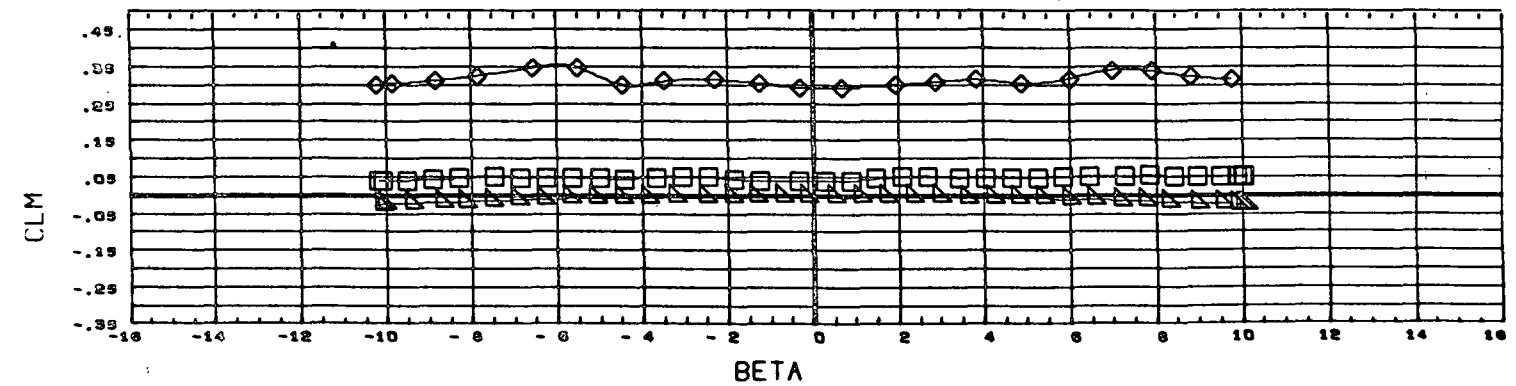
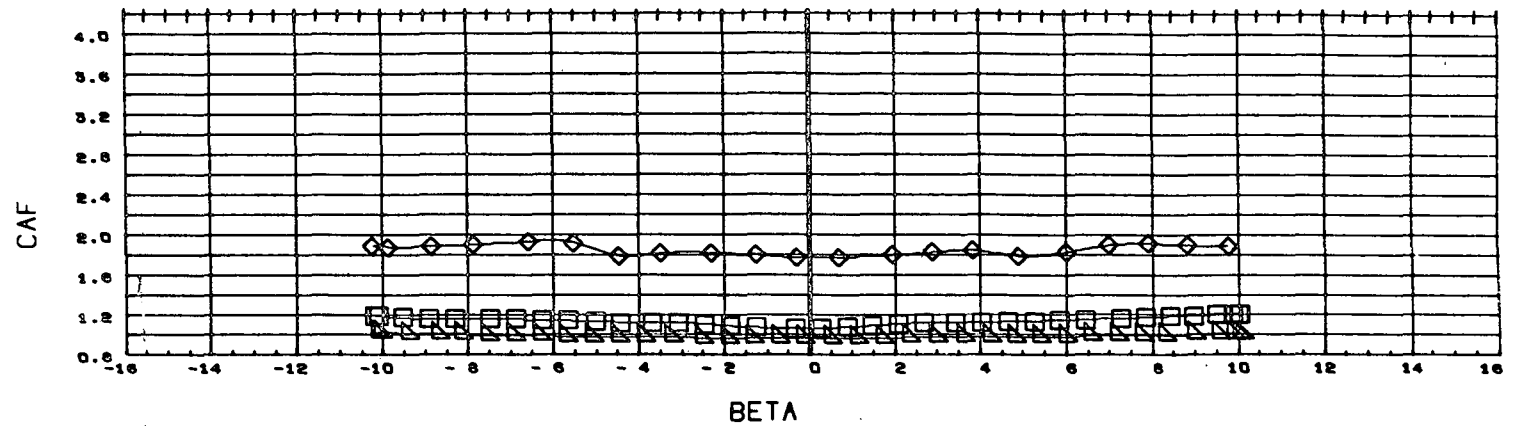
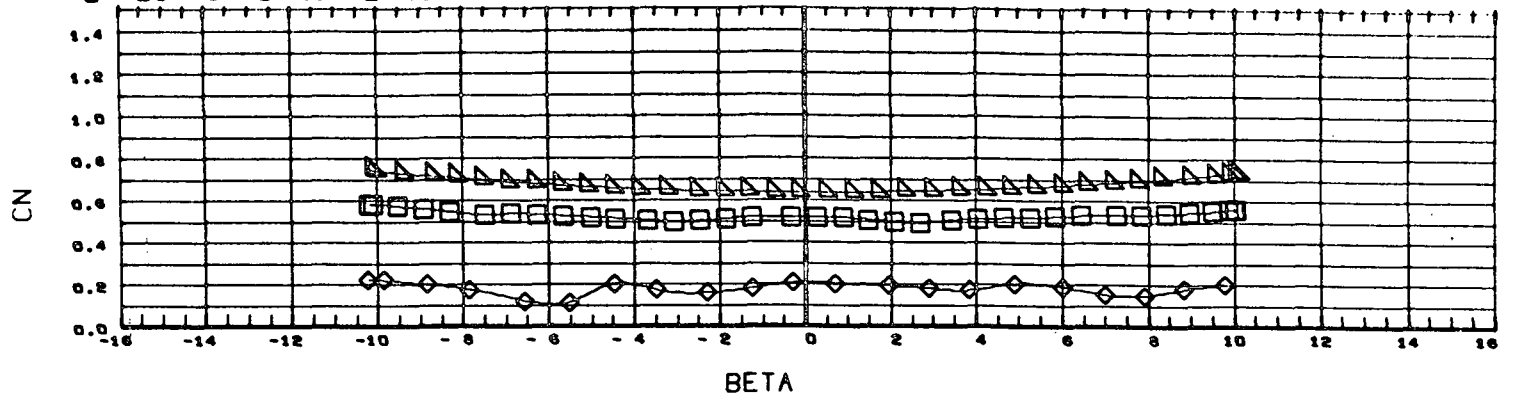
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(WD8314)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6.1	7.700	0.000
(RD8304)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D9.4V6.1	7.700	0.000
(WD8334)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.5V6.1	7.700	0.000
(RD8364)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000
(RD8404)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LEOBY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.40

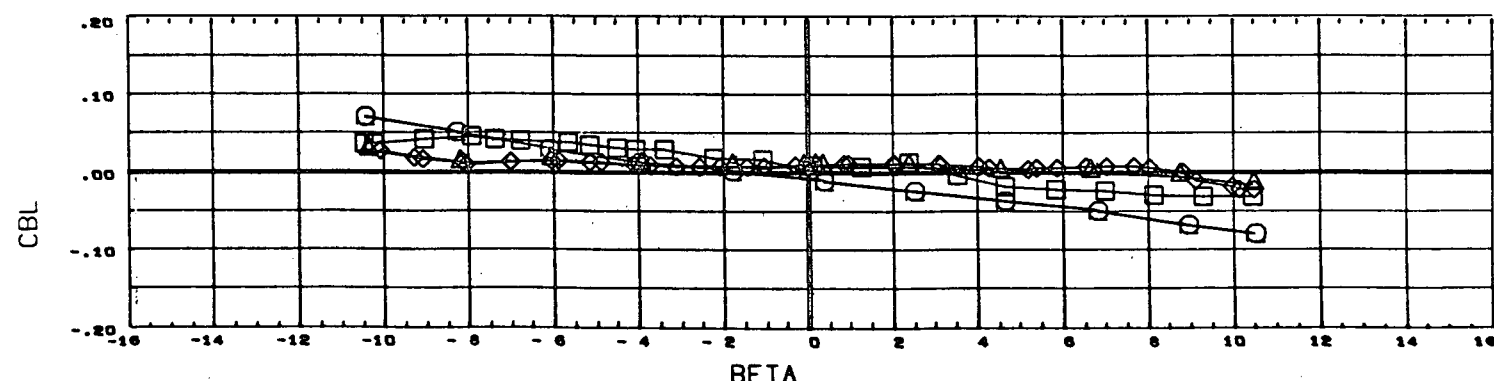
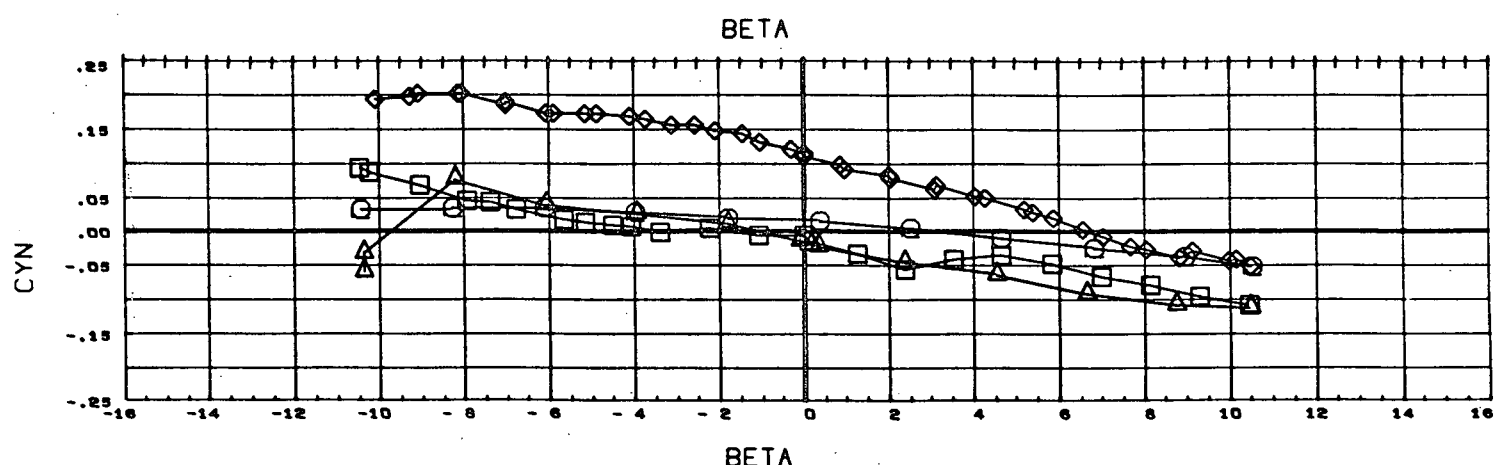
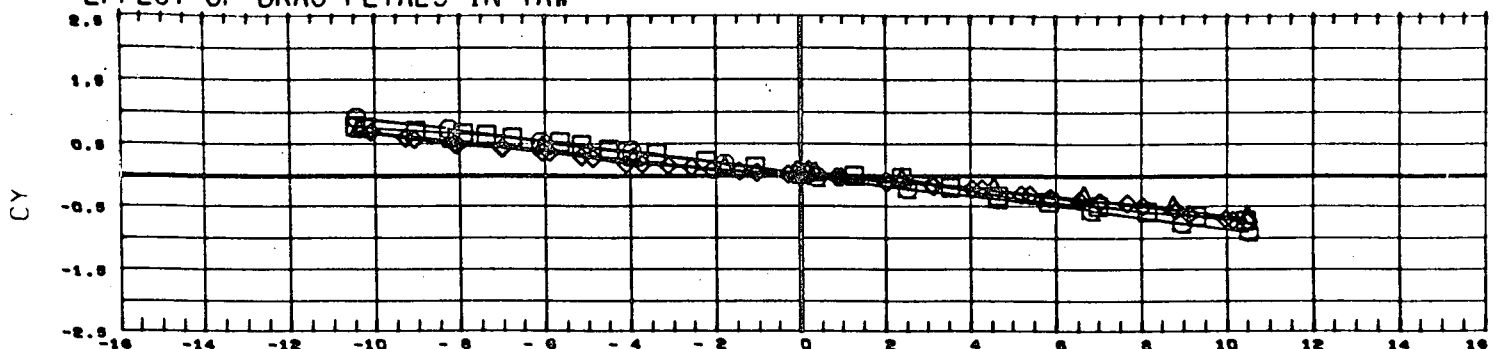
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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(W08314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000	SREF 9.7500 SQ. IN.
(R08304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000	LREF 14.6830 INCHES
(W08334)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.5V6.1	7.700	0.000	BREF 14.6830 INCHES
(R08364)	BTWT 1282/BSWT 557 PR-FED BRB B5S301.5V6	7.700	0.000	XMRP 0.6000 LB00Y
(R08404)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	7.700	0.000	YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.6699 PERCENT

# EFFECT OF DRAG PETALS IN YAW

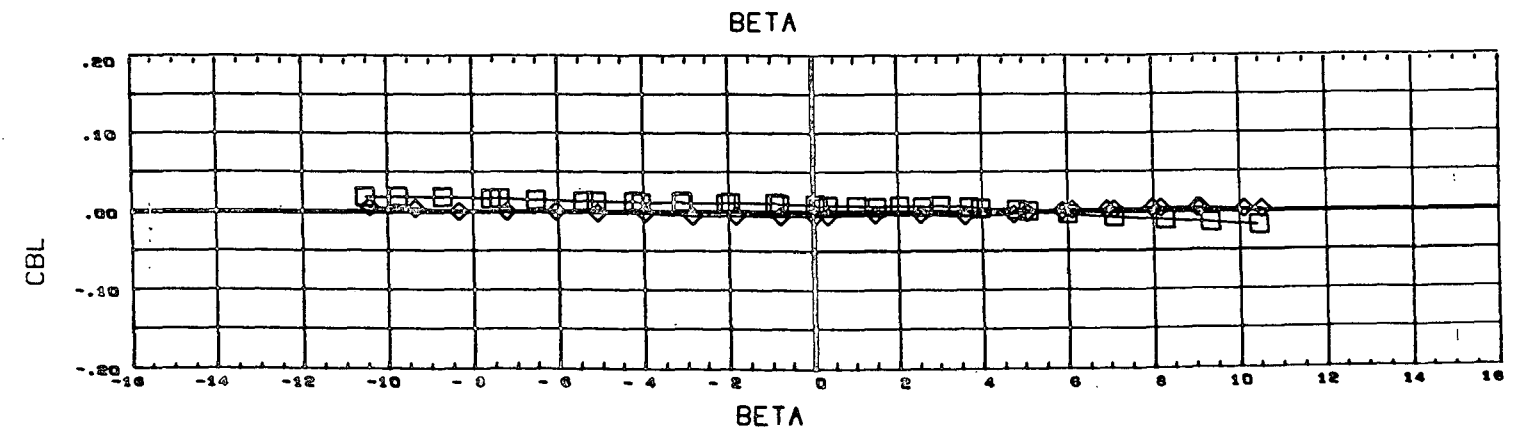
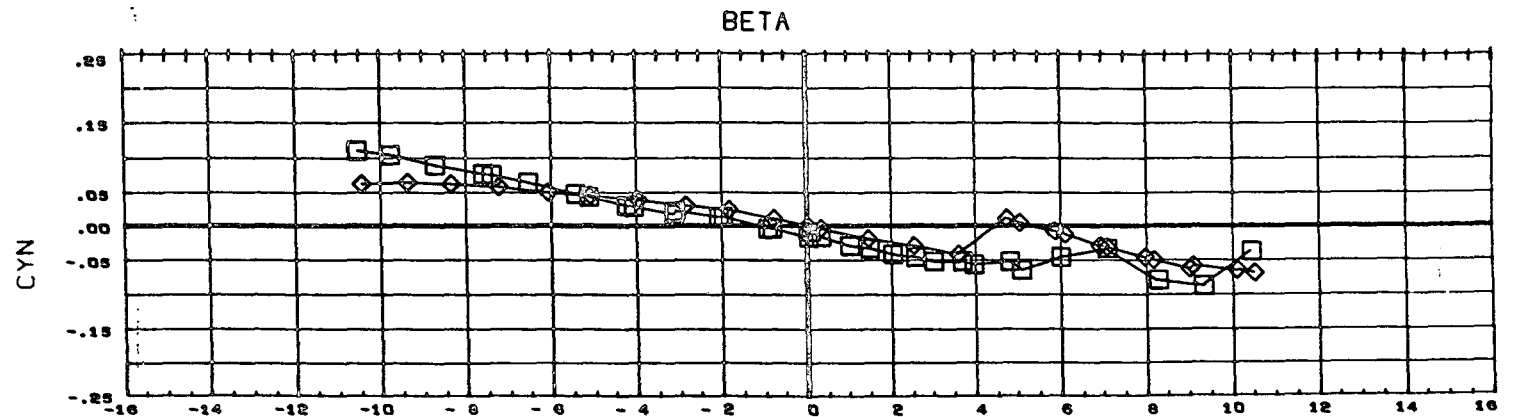
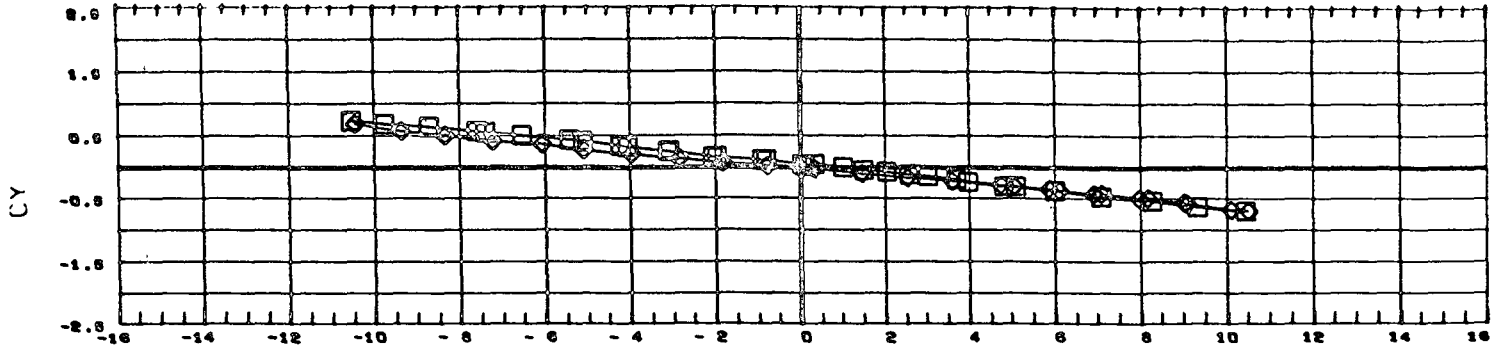


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(WD8505)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	10.000	0.000	SREF 9.7500 SQ. IN.
(RD8545)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6F	10.000	0.000	LREF 14.6830 INCHES
(WD8325)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	10.000	0.000	BREF 14.6830 INCHES
(WD8326)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	-10.000	0.000	XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH .60

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(WD8909)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000
(RD8945)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000
(WD8925)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	10.000	0.000
(WD8928)	BTWT 1282/BSWT 557 PR-FED BRB 85S3D10.4V6.1	-10.000	0.000

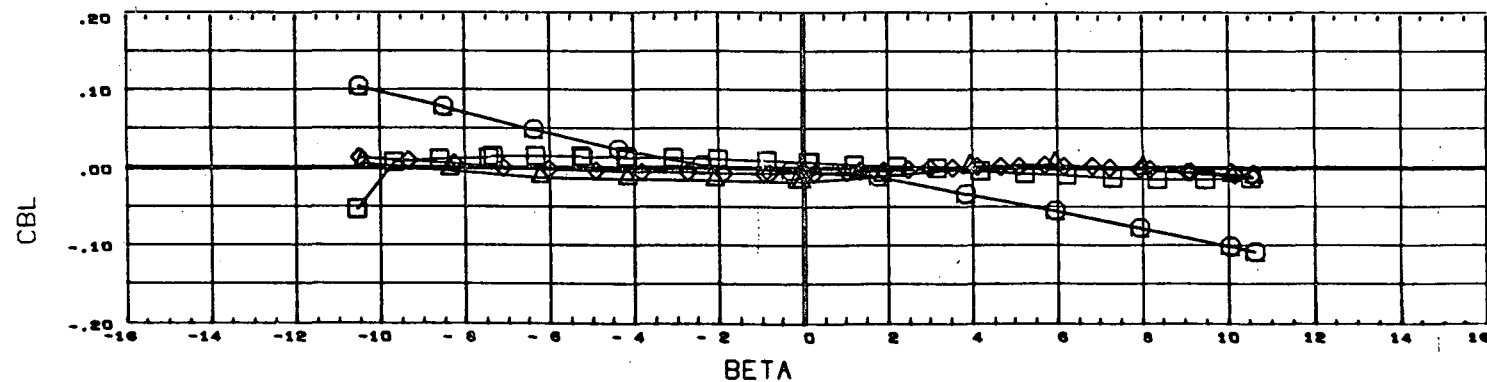
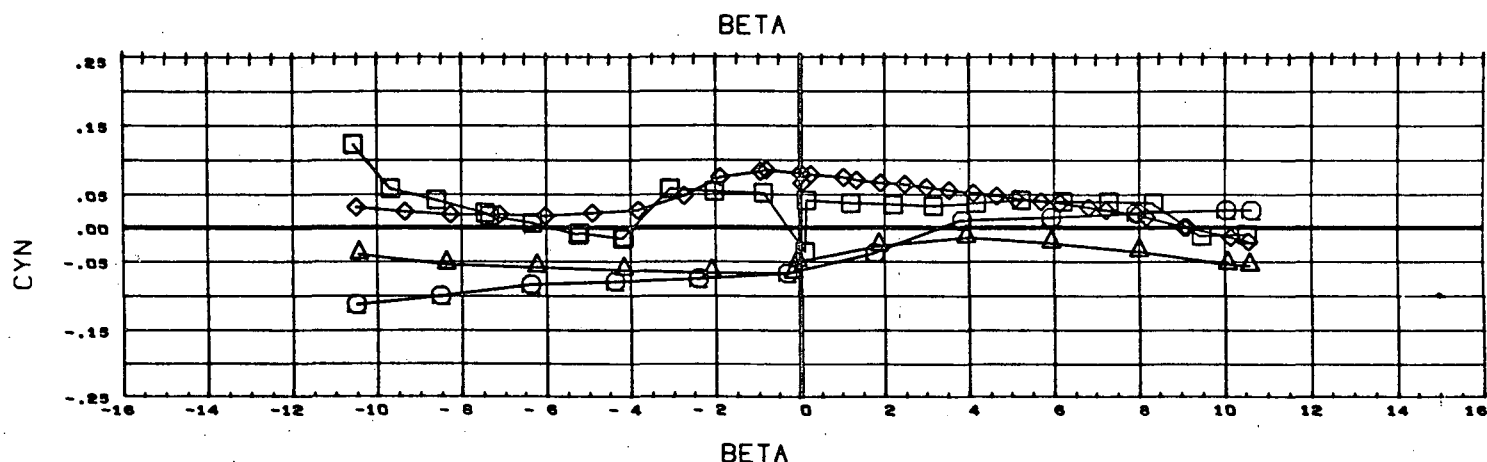
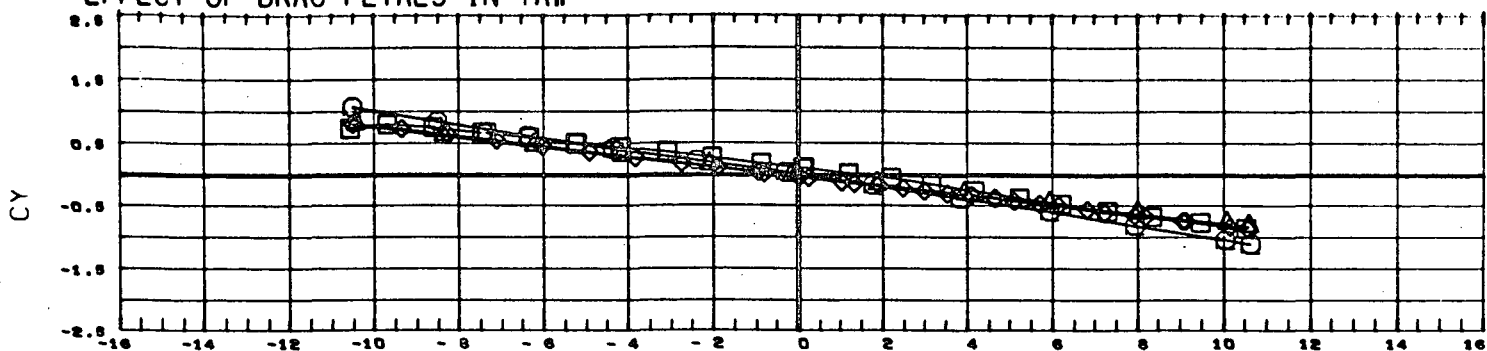
REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .80

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# EFFECT OF DRAG PETALS IN YAW



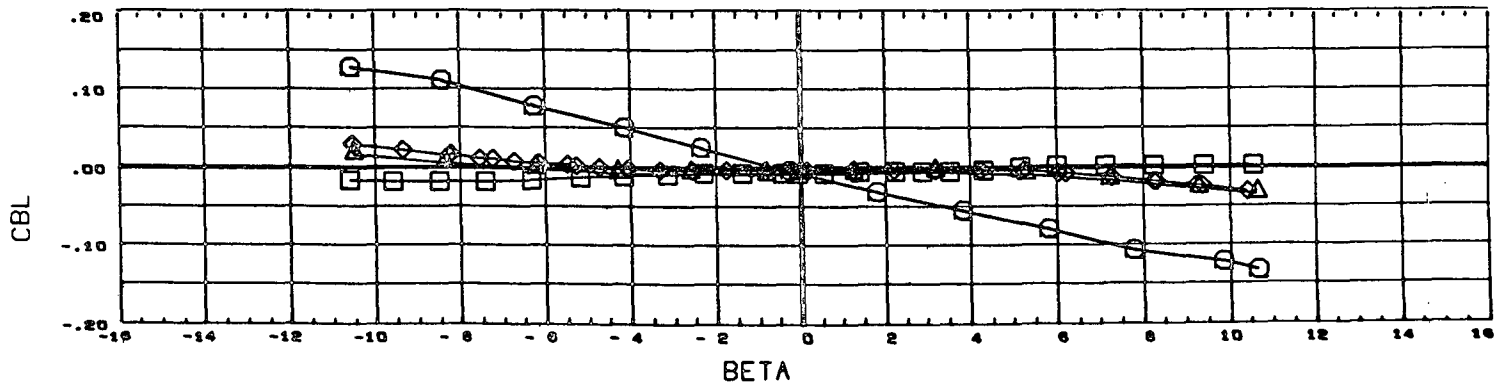
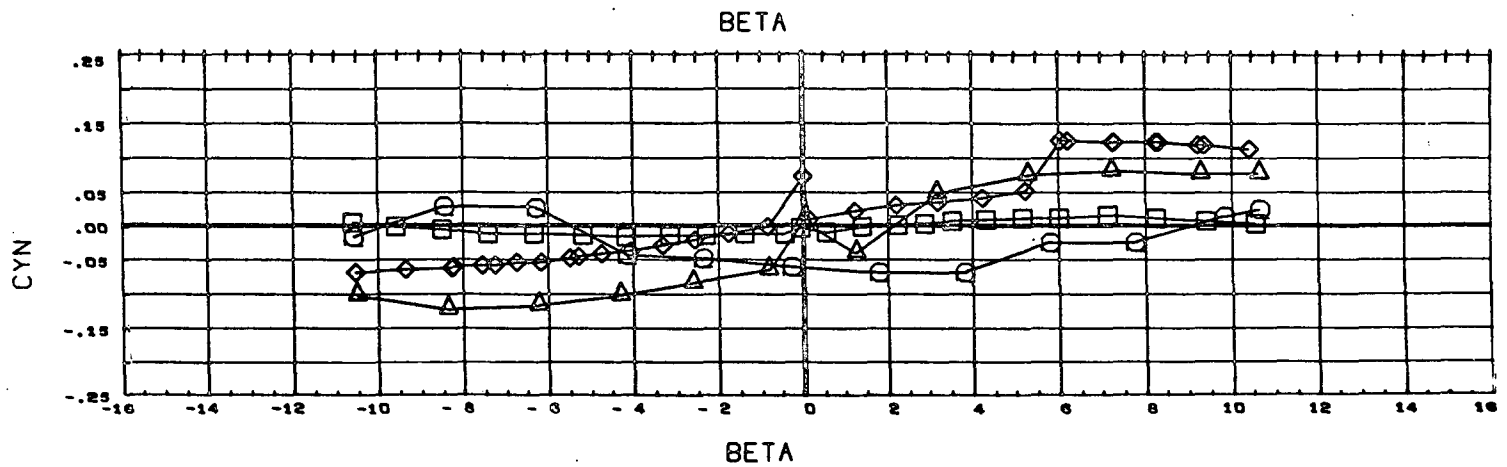
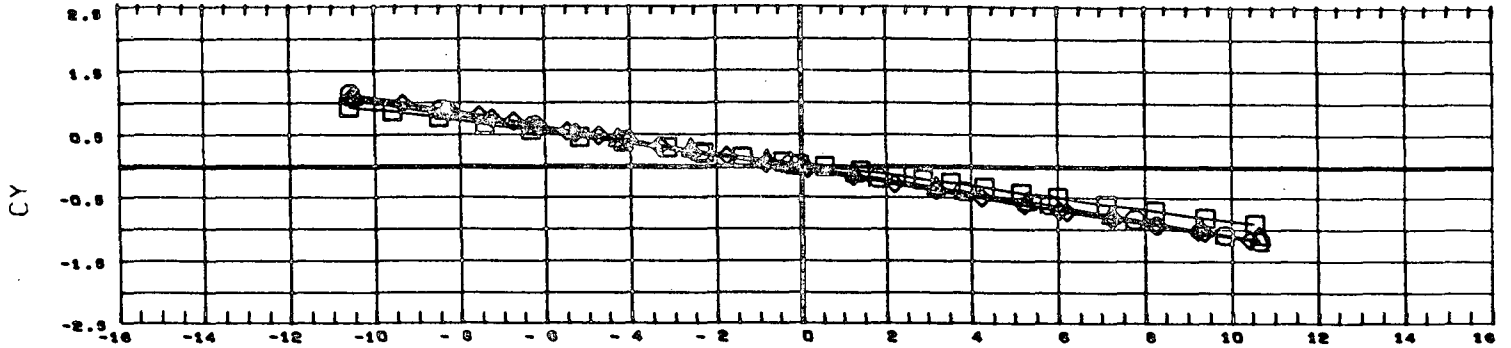
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTAV
(W06305)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(R06345)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6F	10.000	0.000
(W06325)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6.1	10.000	0.000
(W06326)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6.1	-10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6699	PERCNT

MACH .90

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# EFFECT OF DRAG PETALS IN YAW



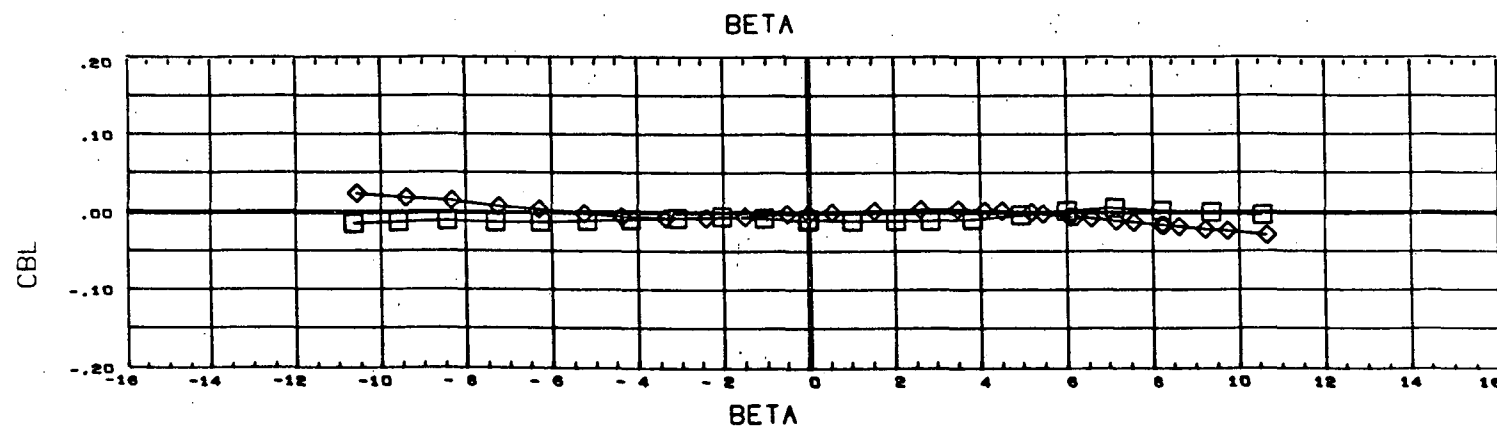
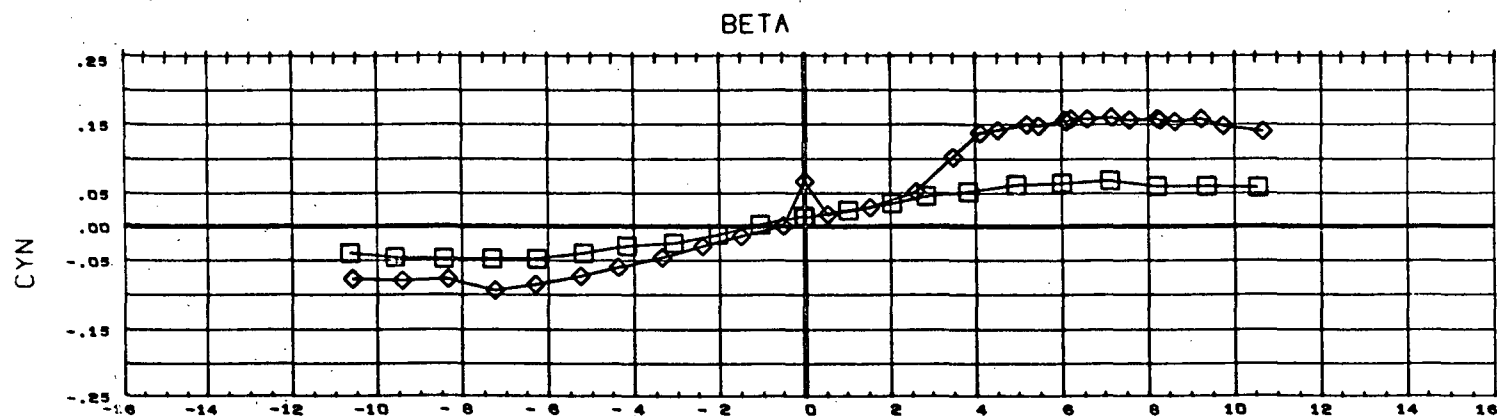
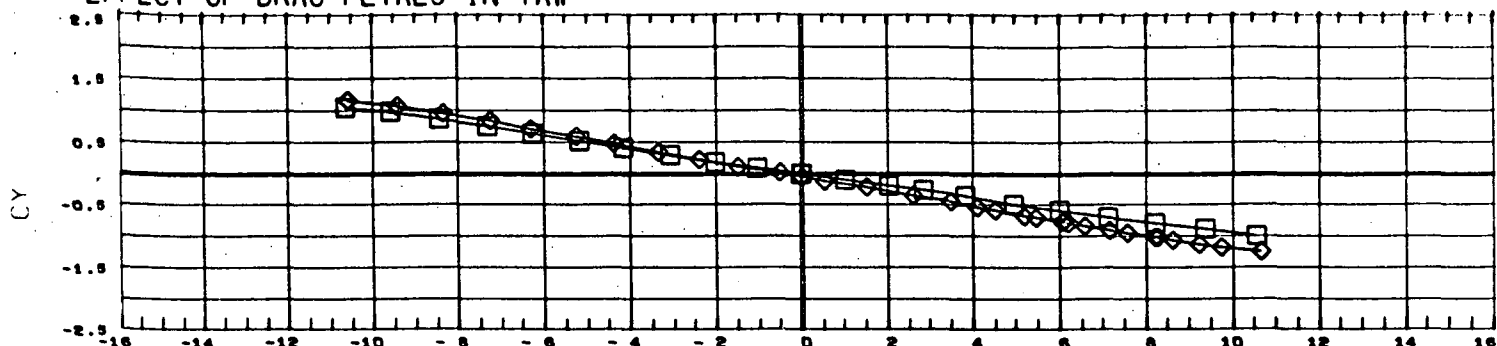
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTAV
(W06305)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(R06349)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6F	10.000	0.000
(W06325)	BTWT 1282/BSWT 957 PR-FED BRB B5S3D10.4V6.1	10.000	0.000
(W06326)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	-10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(WD8505)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000
(RD8545)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000
(WD8325)	BTWT 1262/BSWT 957 PR-FED BRB B5S3D10.4V6.1	10.000	0.000
(WD8326)	BTWT 1262/BSWT 957 PR-FED BRB B5S3D10.4V6.1	-10.000	0.000

REFERENCE INFORMATION

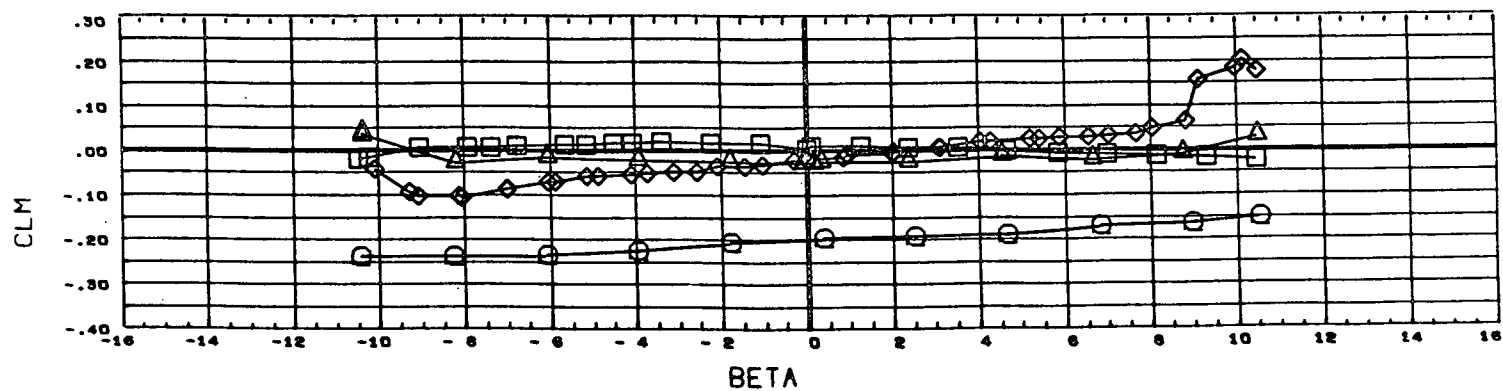
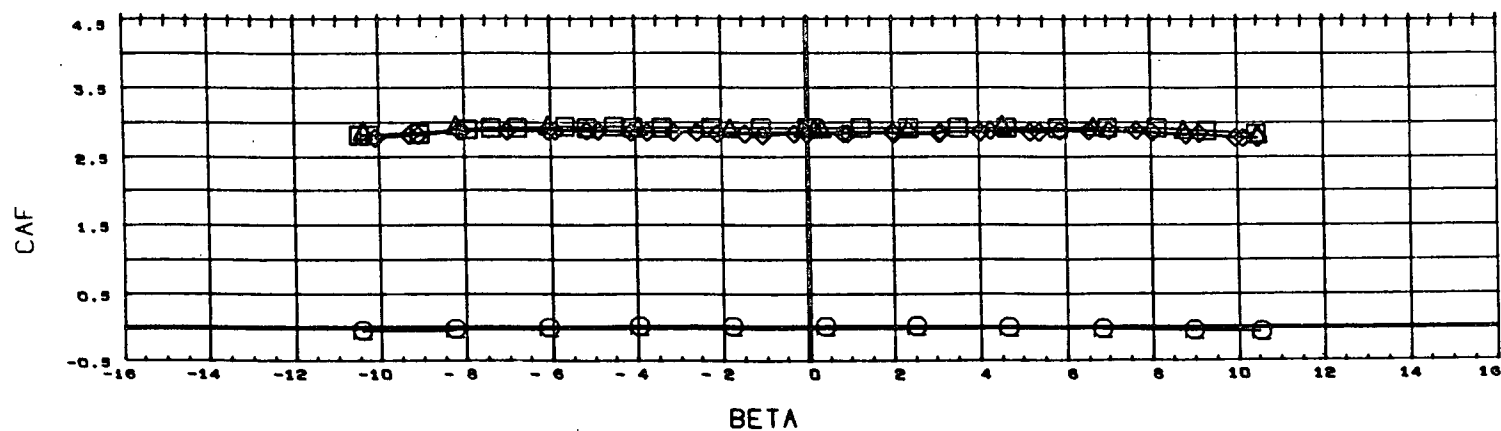
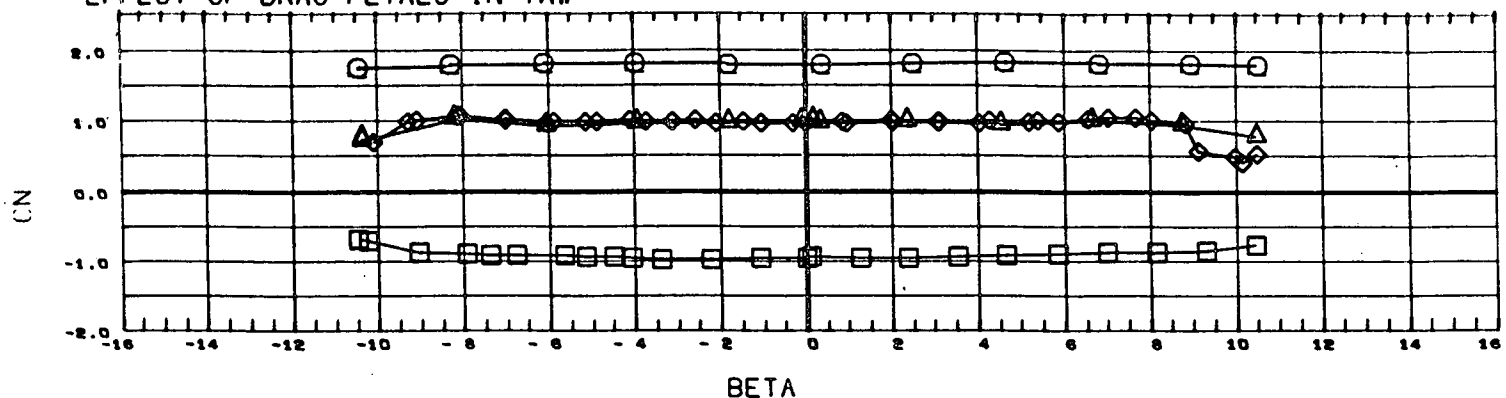
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH

1.10

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# EFFECT OF DRAG PETALS IN YAW



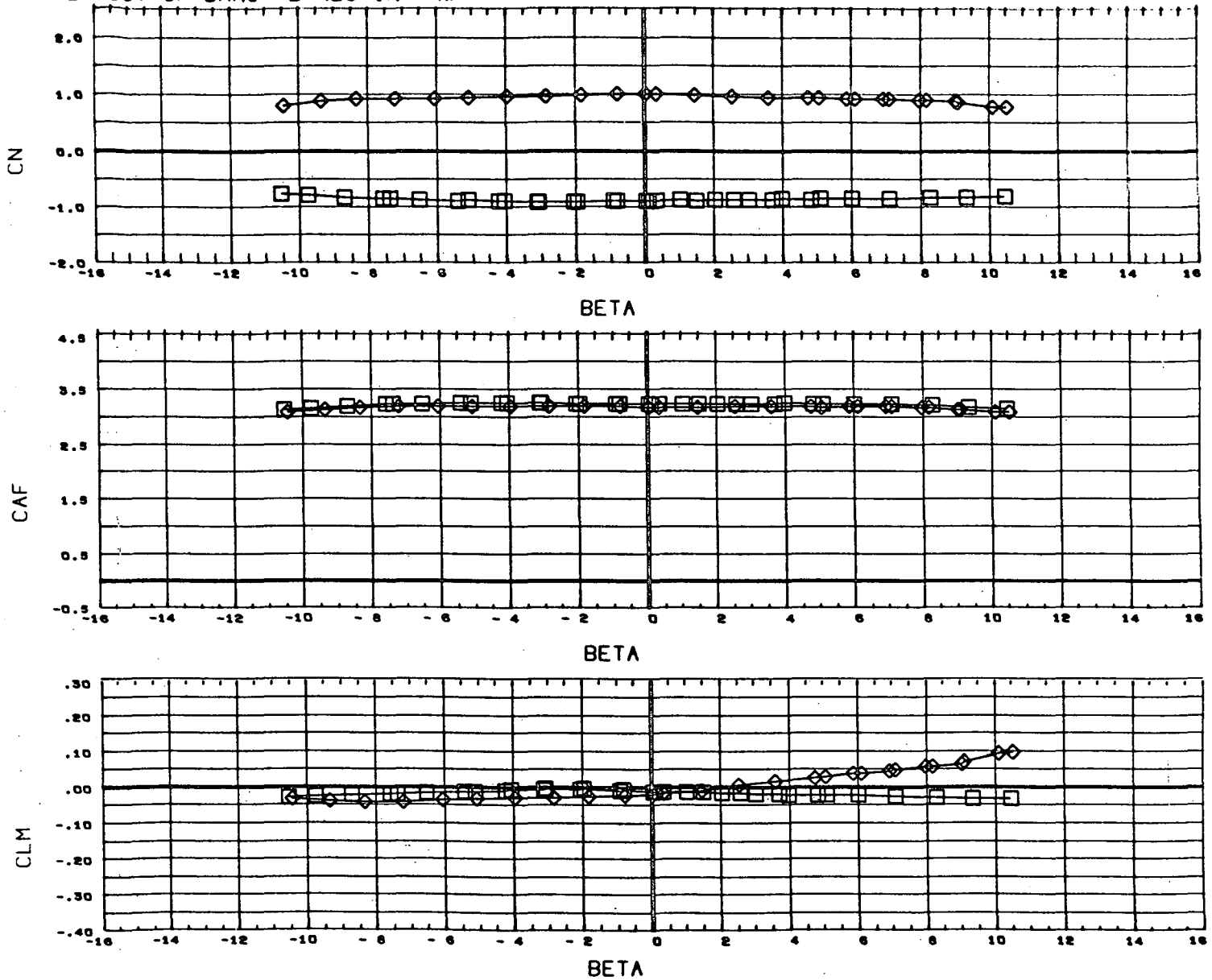
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTAV
(W08505)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(R08545)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6F	10.000	0.000
(W0325)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6.1	10.000	0.000
(W0326)	BTWT 1262/BSWT 557 PR-FED BRB B5S3D10.4V6.1	-10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	50.1N.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH .60

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# EFFECT OF DRAG PETALS IN YAW

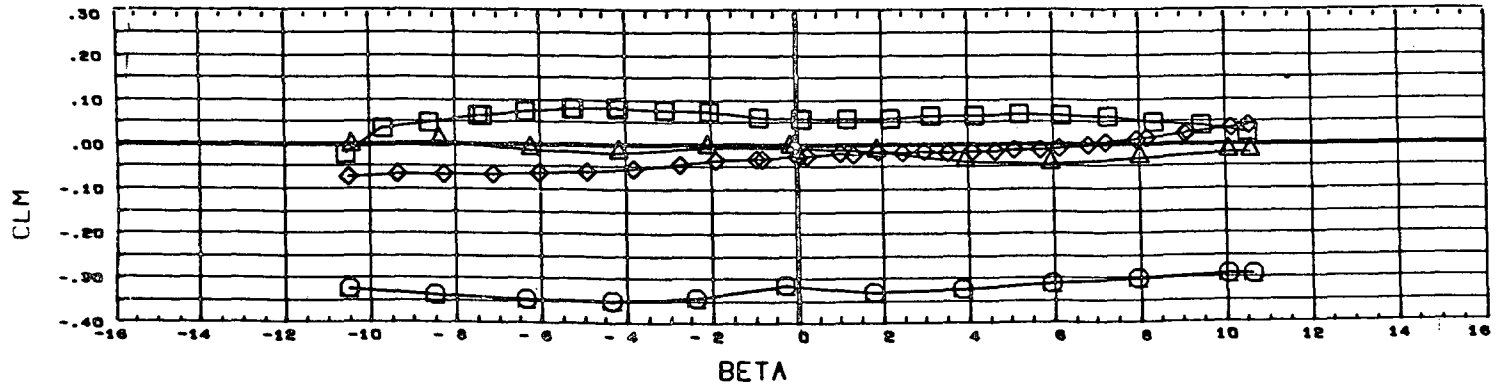
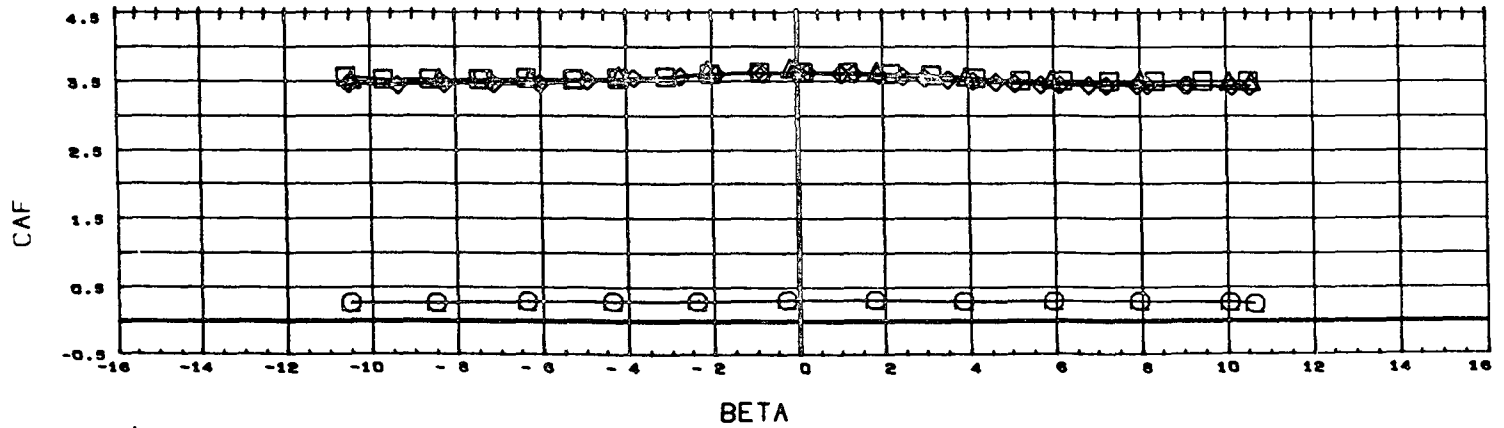
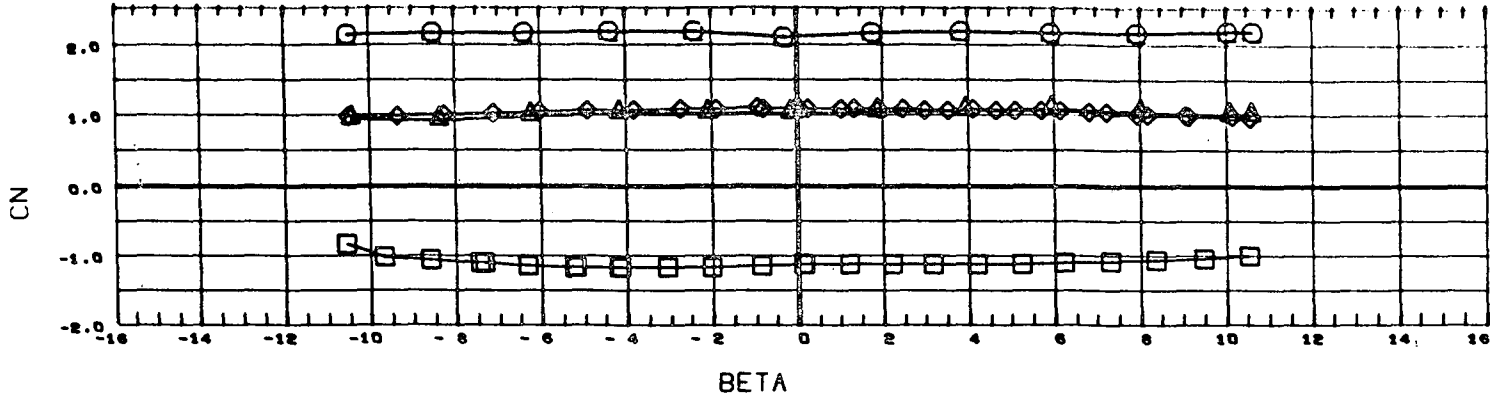


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(WD8905)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	SREF 9.7500 SQ. IN.
(RD8945)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	LREF 14.6630 INCHES
(WD8325)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D10.4V6.1	10.000	0.000	BREF 14.6630 INCHES
(WD8326)	BTWT 1282/BSWT 557 PR-FED BRB BSS3D10.4V6.1	-10.000	0.000	XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8699 PERCENT

MACH .80

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# EFFECT OF DRAG PETALS IN YAW



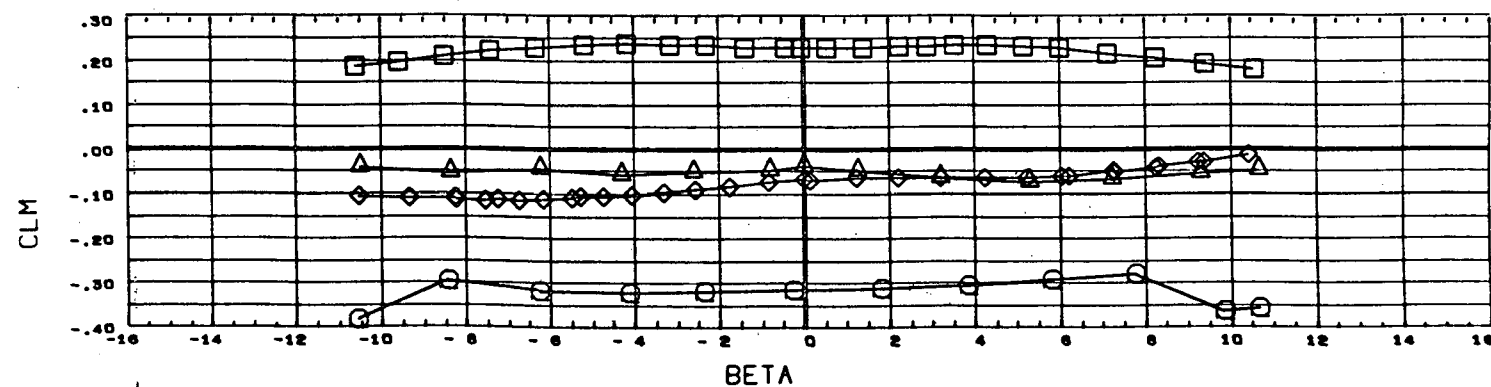
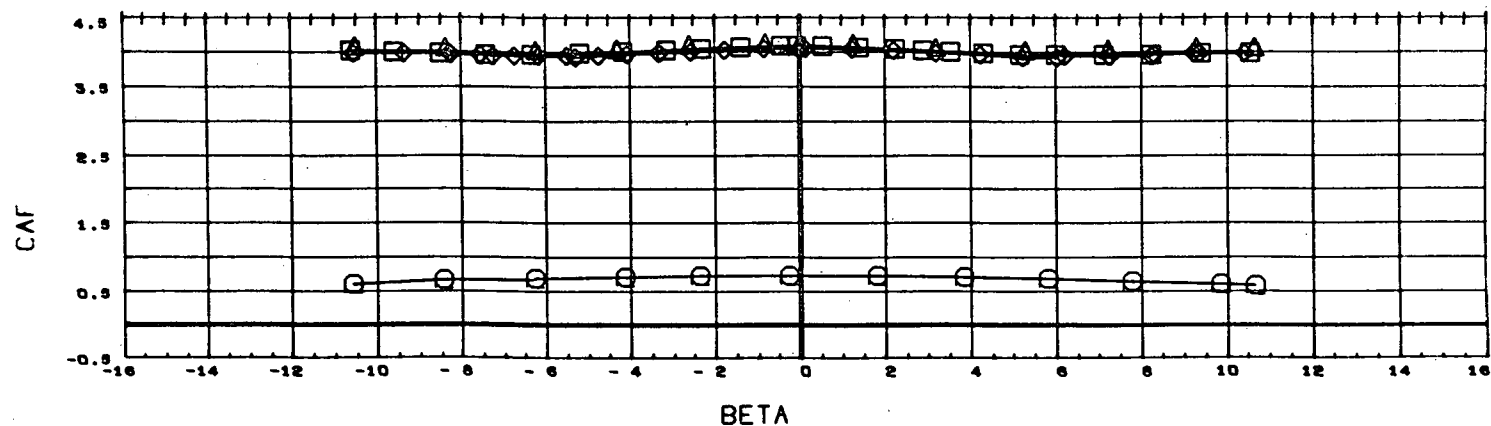
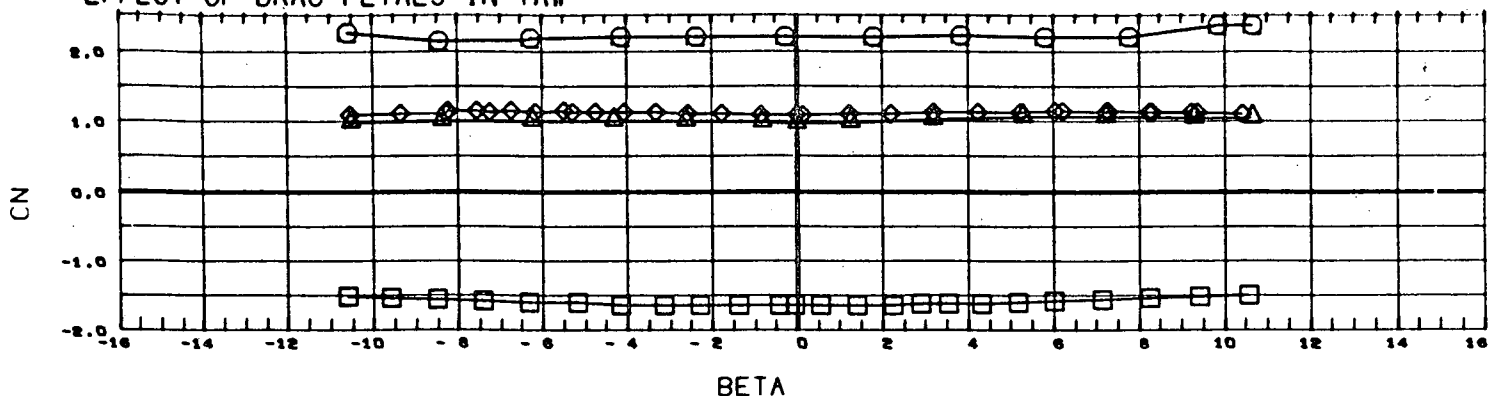
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTAV
(WD8505)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(RD8545)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6F	10.000	0.000
(WD8325)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	10.000	0.000
(WD8328)	BTWT 1282/BSWT 557 PR-FED BRB B5S3D10.4V6.1	-10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF DRAG PETALS IN YAW



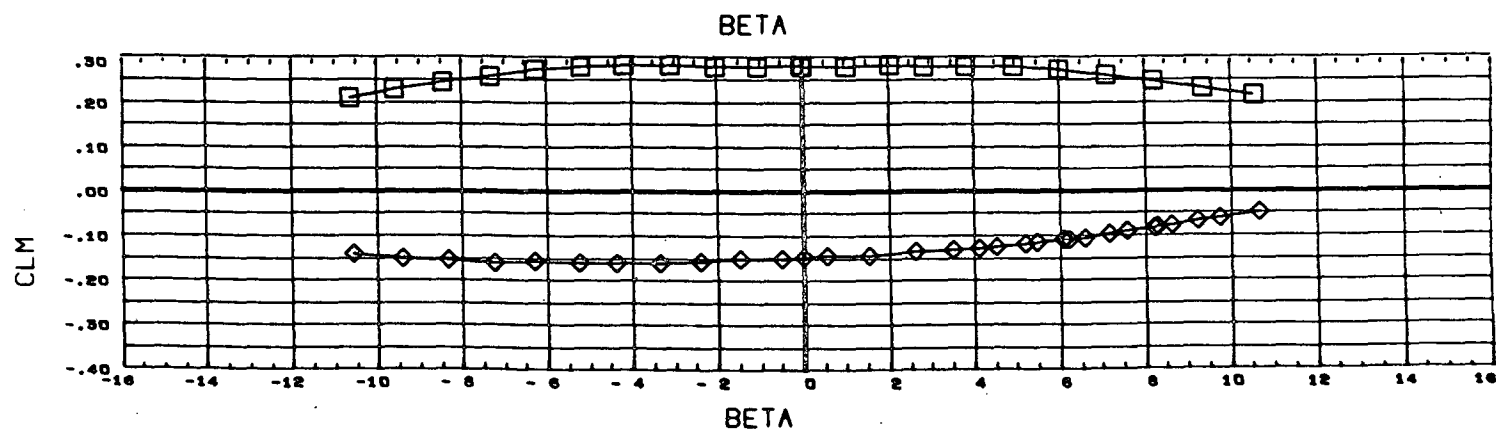
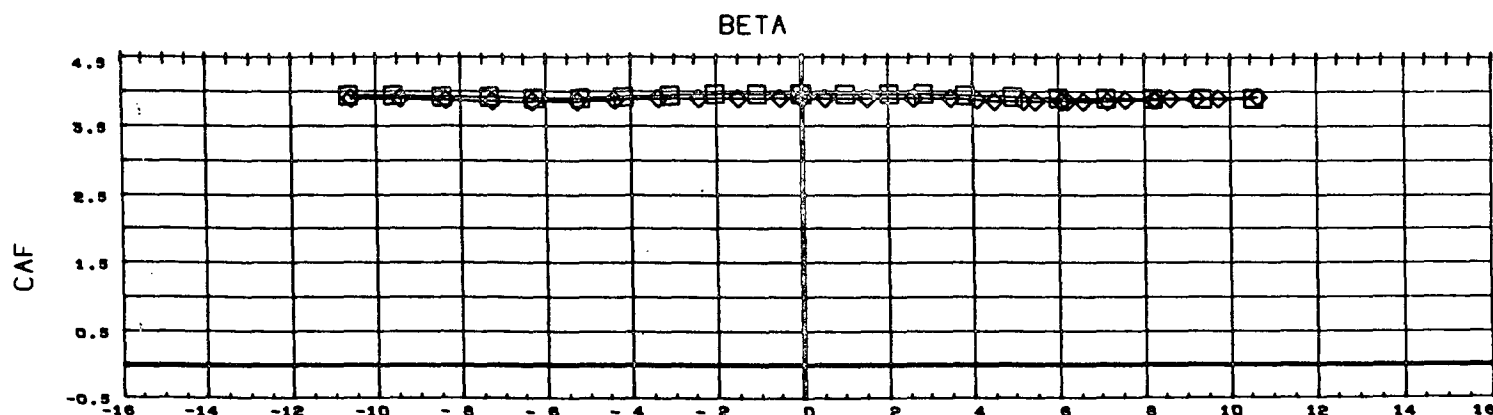
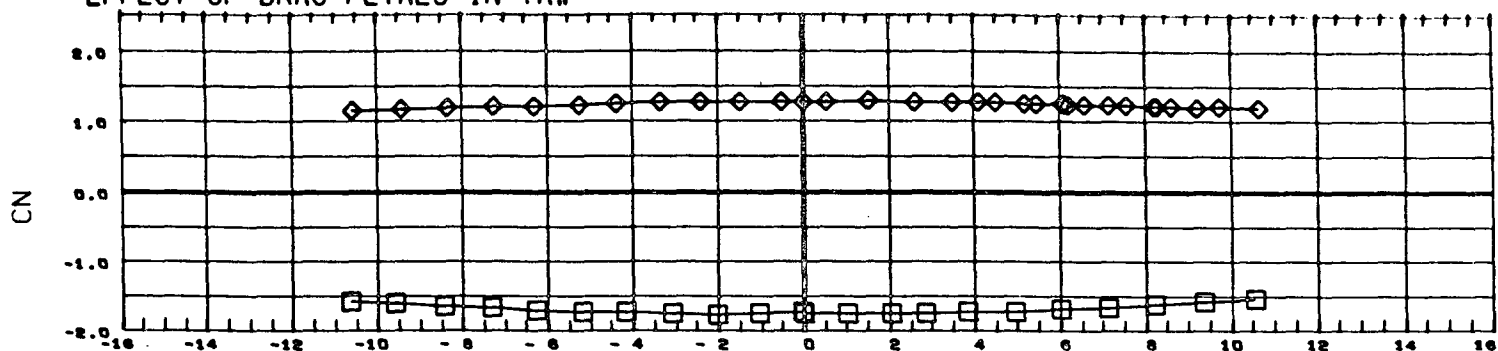
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(W06505)	○	BTWT 1262/BSWT 557 PR-FED BRB B553V6F	10.000	0.000
(R06545)	△	BTWT 1262/BSWT 557 PR-FED BRB B553D10.4V6F	10.000	0.000
(W06325)	◇	BTWT 1262/BSWT 557 PR-FED BRB B553D10.4V6.1	10.000	0.000
(W06326)	□	BTWT 1262/BSWT 557 PR-FED BRB B553D10.4V6.1	-10.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF DRAG PETALS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(WD8505)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000
(RD8545)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000
(WD8325)	BTWT 1262/BSWT 557 PR-FED BRB 85S3D10.4V6.1	10.000	0.000
(WD8326)	BTWT 1262/BSWT 557 PR-FED BRB 85S3D10.4V6.1	-10.000	0.000

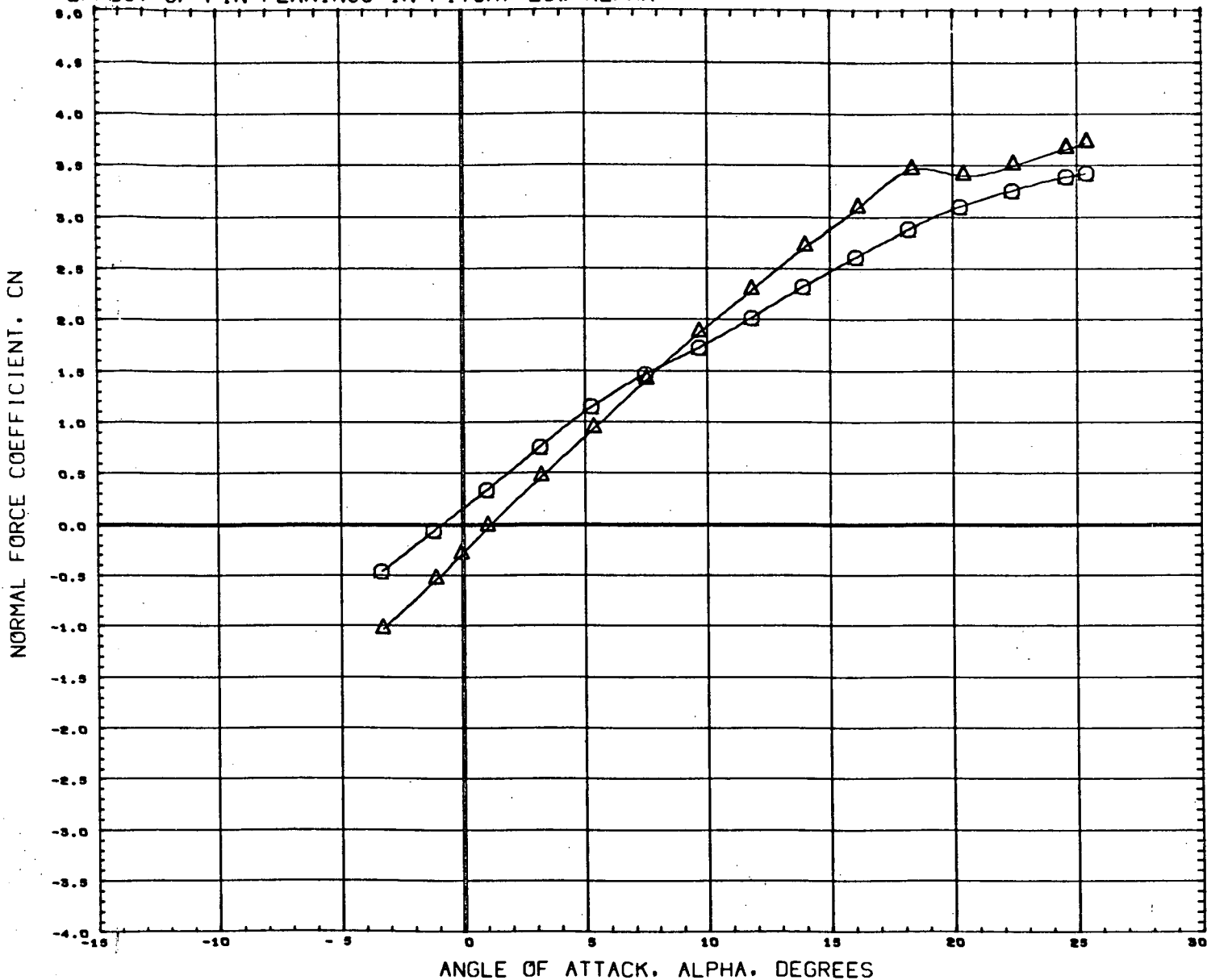
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.10

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD6501) BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F

(AD651) BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3

BETA DELTAV

0.000 0.000

0.000

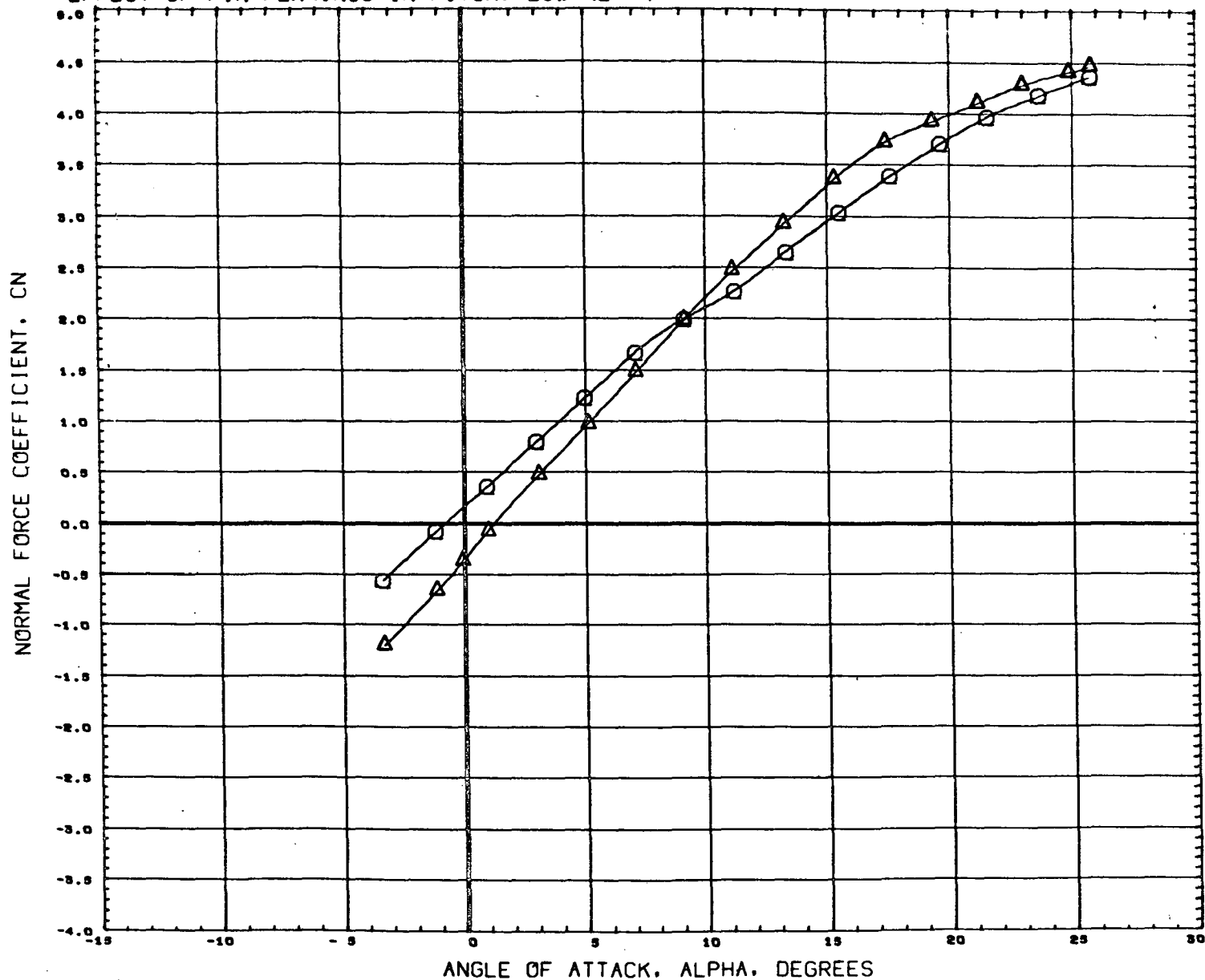
REFERENCE INFORMATION

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LREF 14.6630 INCHES  
BREF 14.6630 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.6699 PERCENT

MACH .60

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



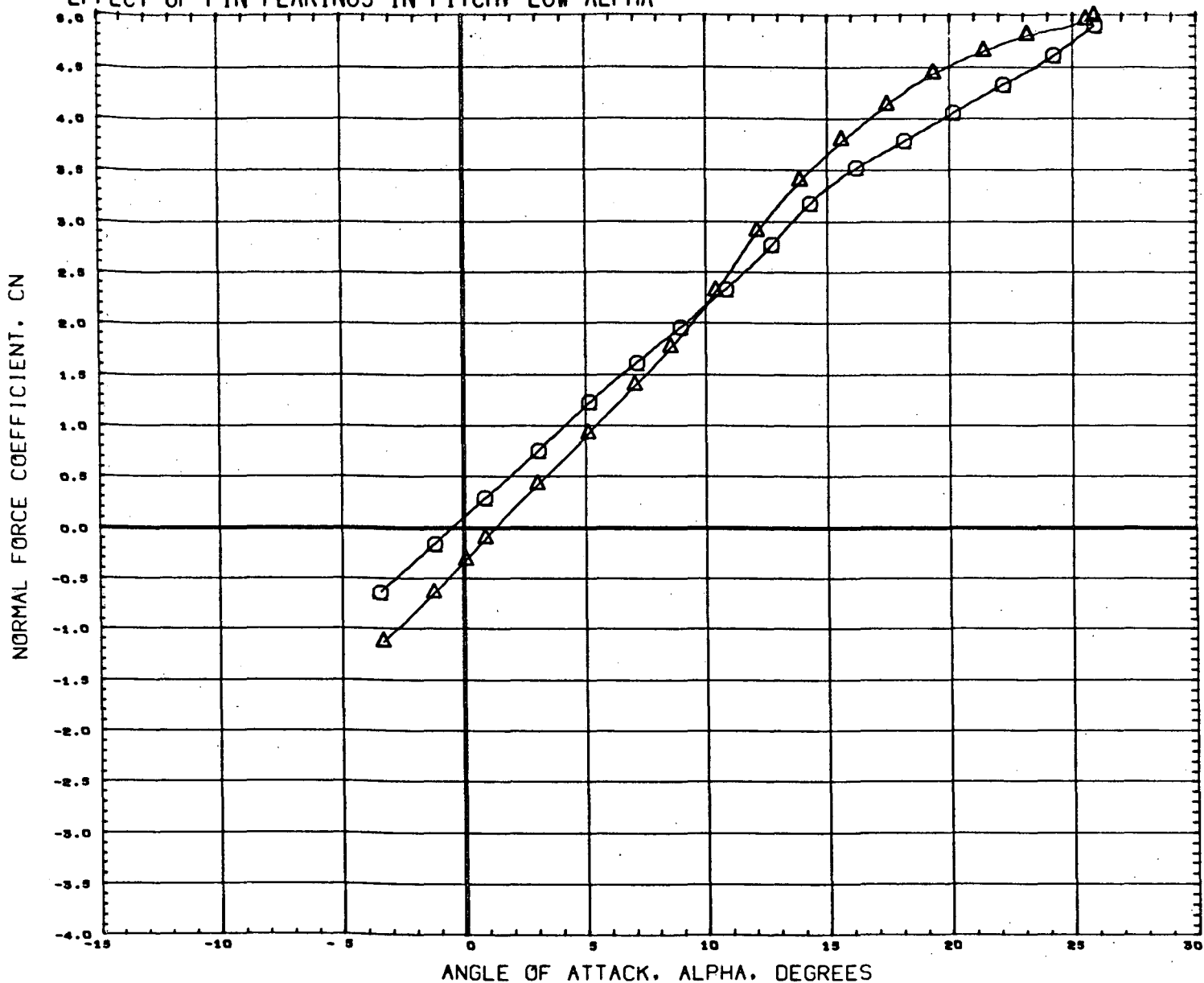
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8501)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD8651)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (WD8501) BTWT 1282/BSWT 557 PR-FED BRB BSS3V6F  
 (AD8651) BTWT 1282/BSWT 557 PR-FED BRB BSS3V9AF3

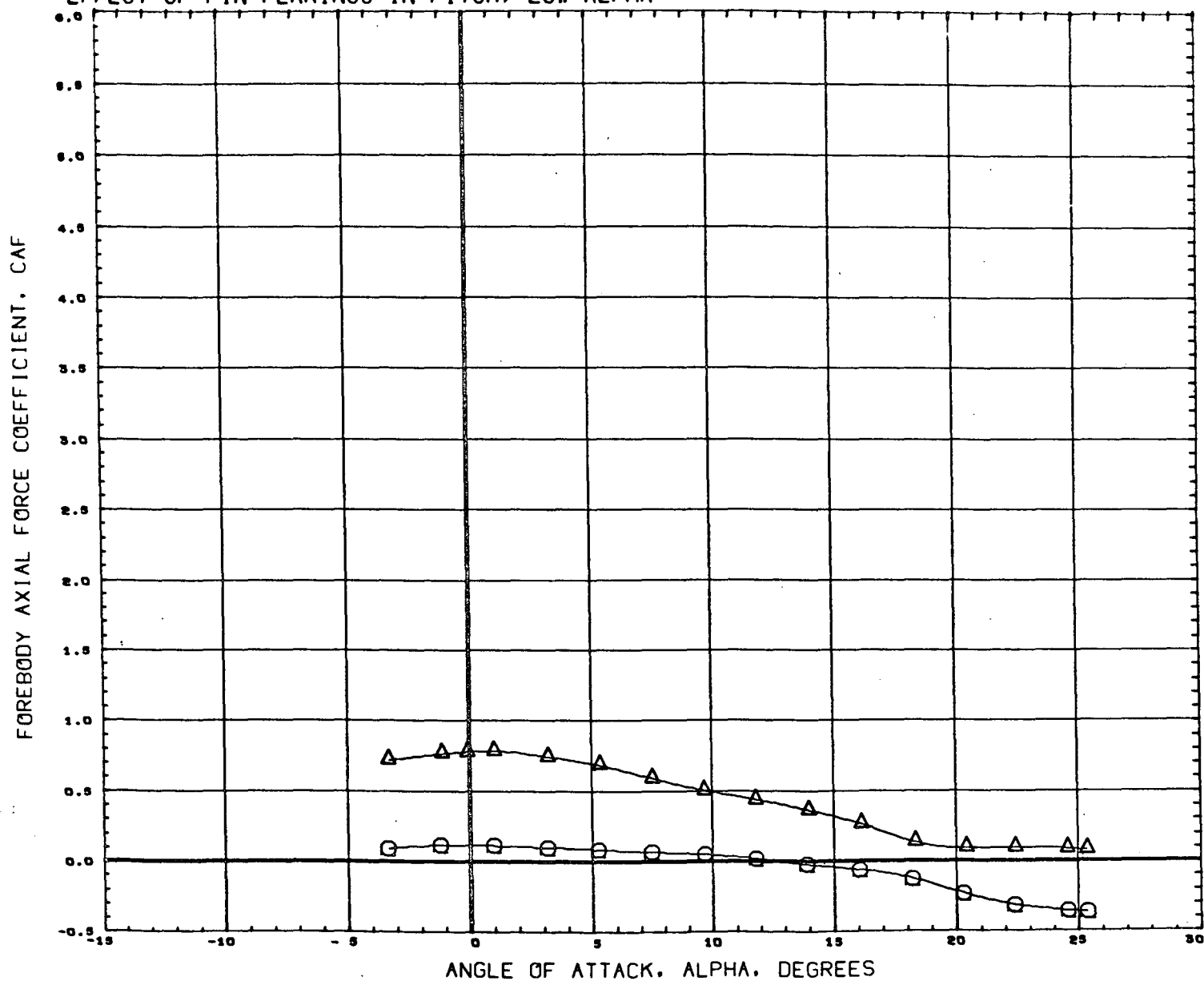
BETA DELTAV  
 0.000 0.000  
 0.000 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6630 INCHES  
 BREF 14.6630 INCHES  
 XMRF 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8699 PERCENT

MACH 1.05

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

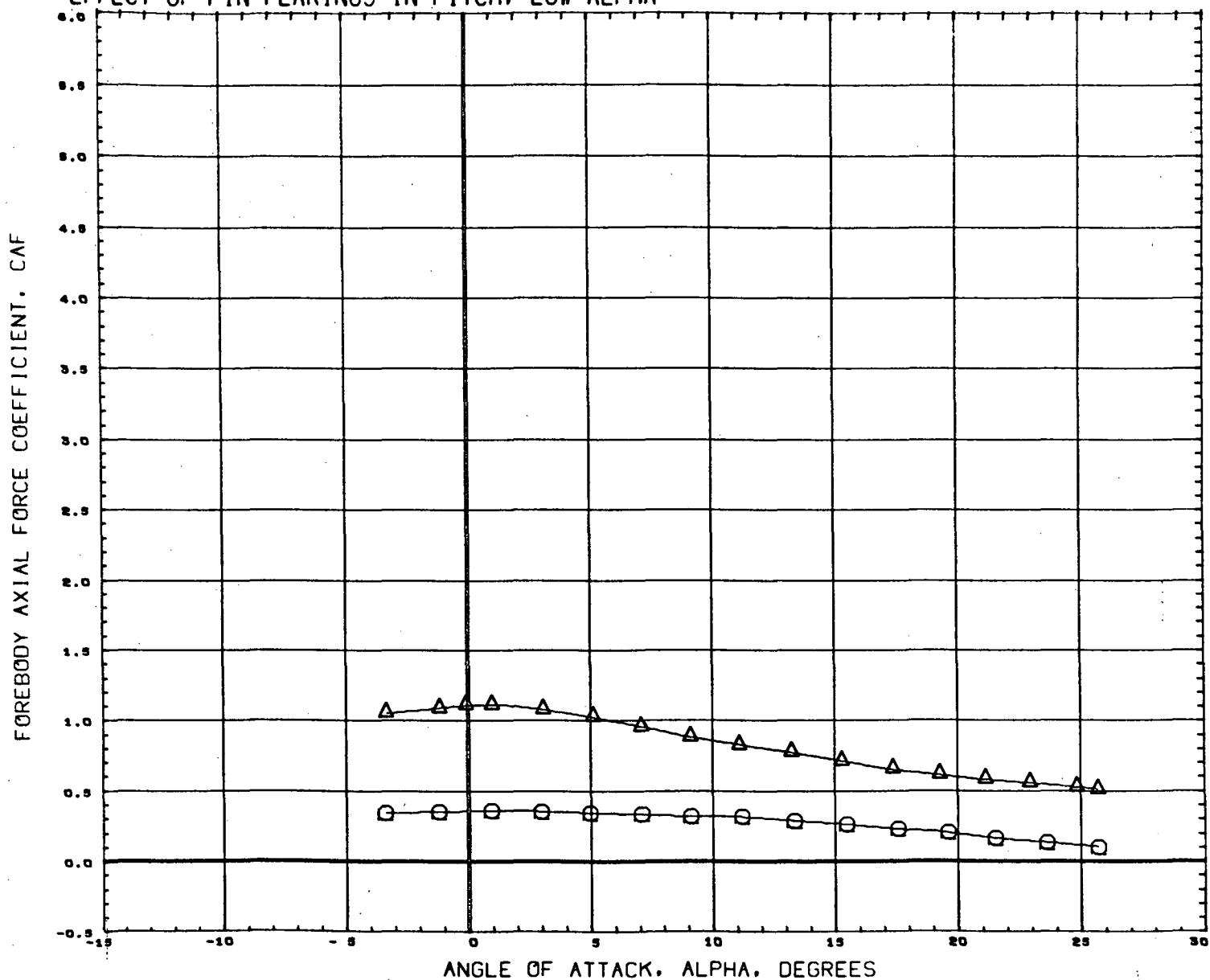


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA	DELTAV
(WD8501)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000
(AD8651)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3V9AF3	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W06501)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F	BETA	DELTA V
(A0651)	BTWT 1282/BSWT 557	PR-FED BRB	8553V9AF3	0.000	0.000

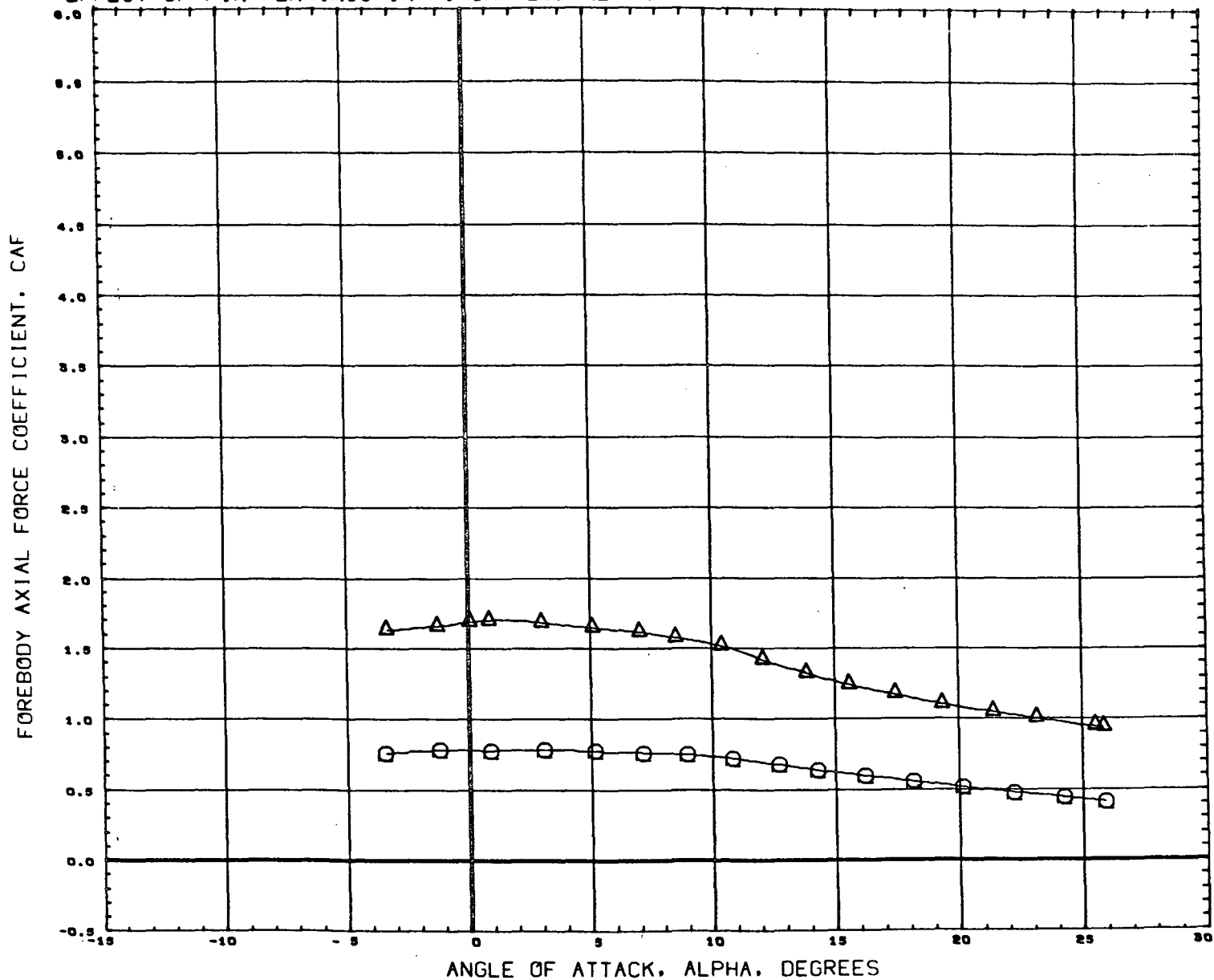
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV
(WD8501)	BTWT 1262/BSWT 557	PR-FED BR8	B5S3V6F	0.000	0.000	
(AD8651)	BTWT 1262/BSWT 557	PR-FED BR8	B5S3V9AF3	0.000	0.000	

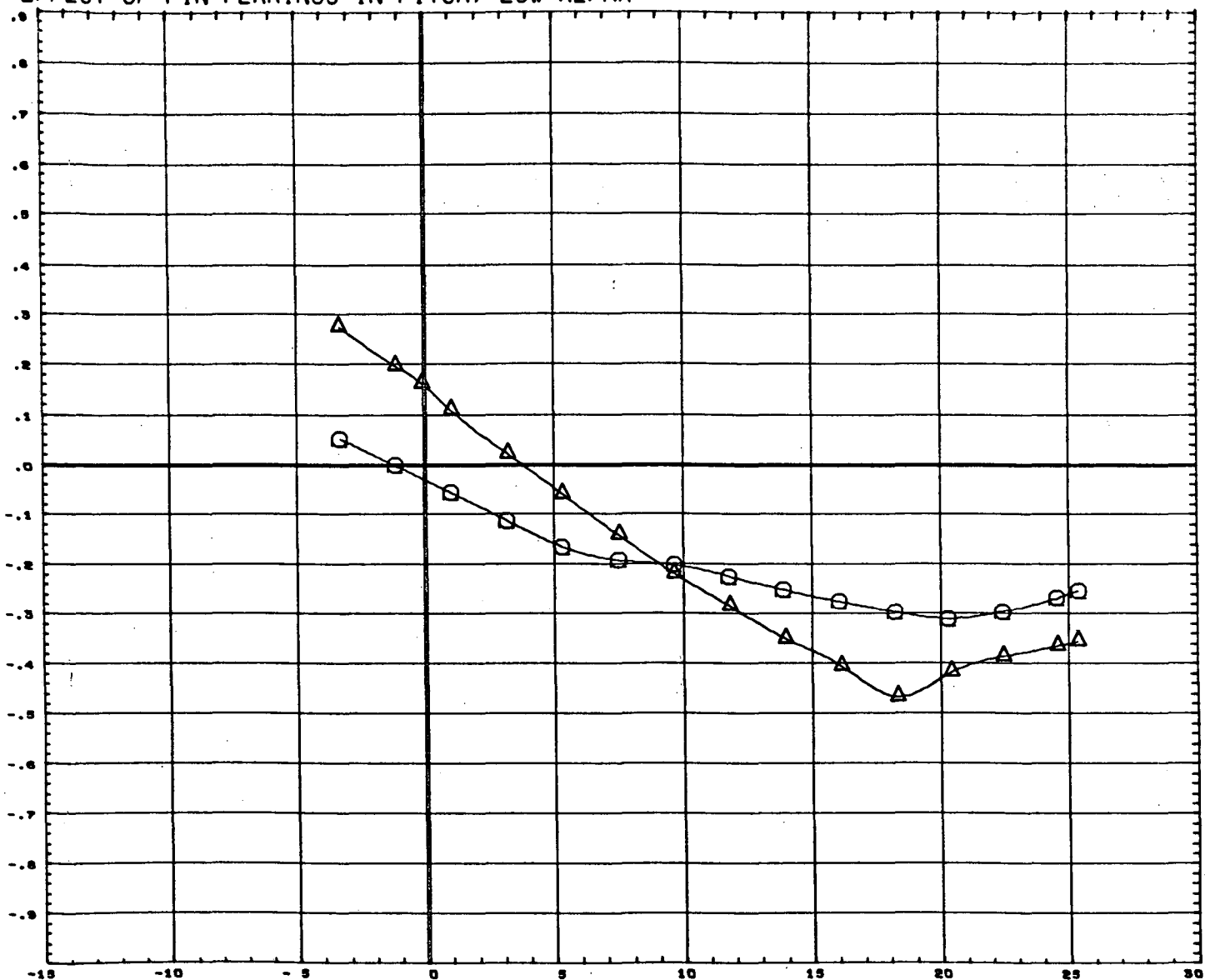
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.05

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD6501) BTWT 1282/BSWT 557 PR-FED BRB 8553V6F  
(AD651) BTWT 1282/BSWT 557 PR-FED BRB 8553V9AF3

BETA DELTAV

0.000 0.000  
0.000 0.000

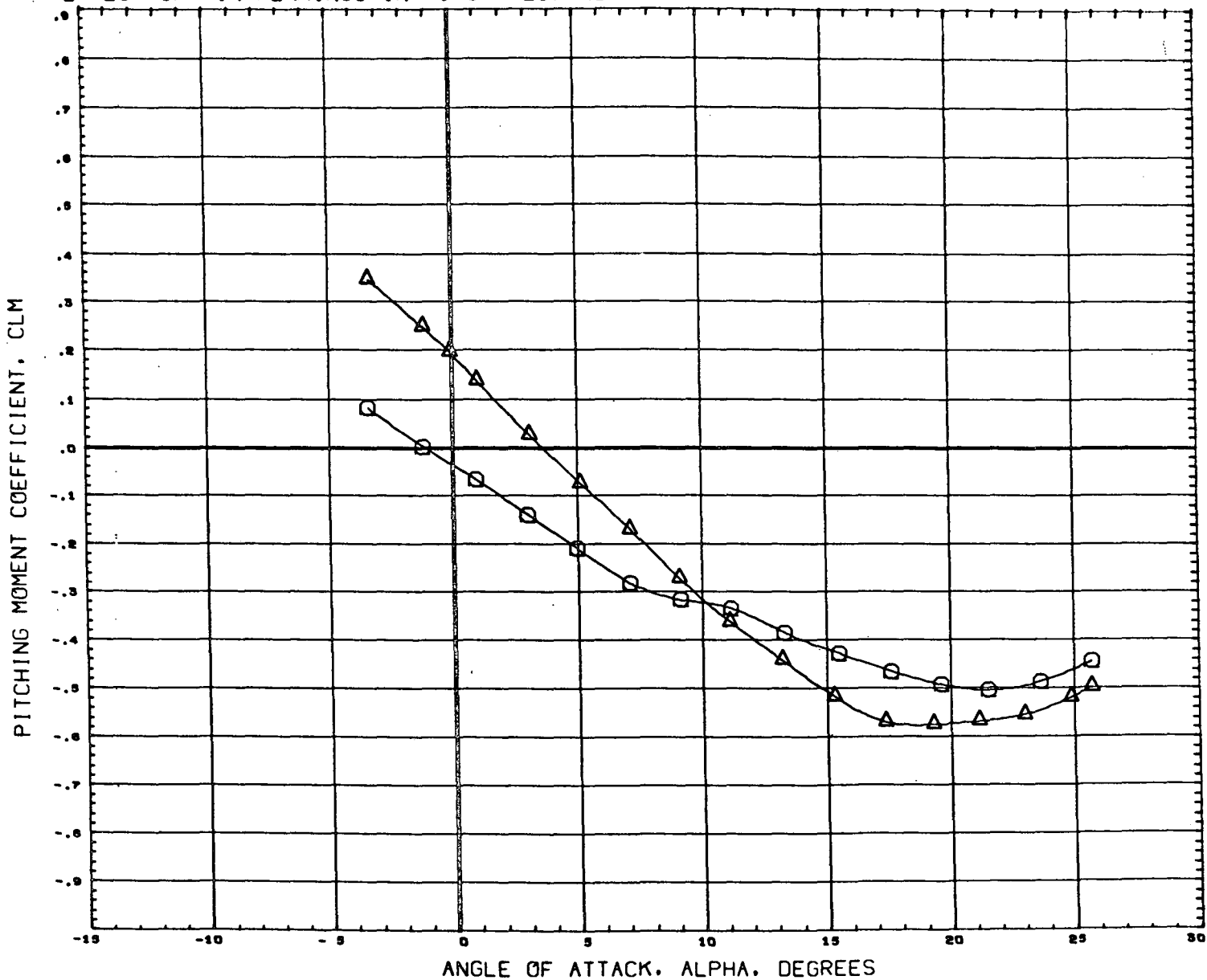
REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.6699 PERCENT

MACH .60

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD8501)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD0651)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

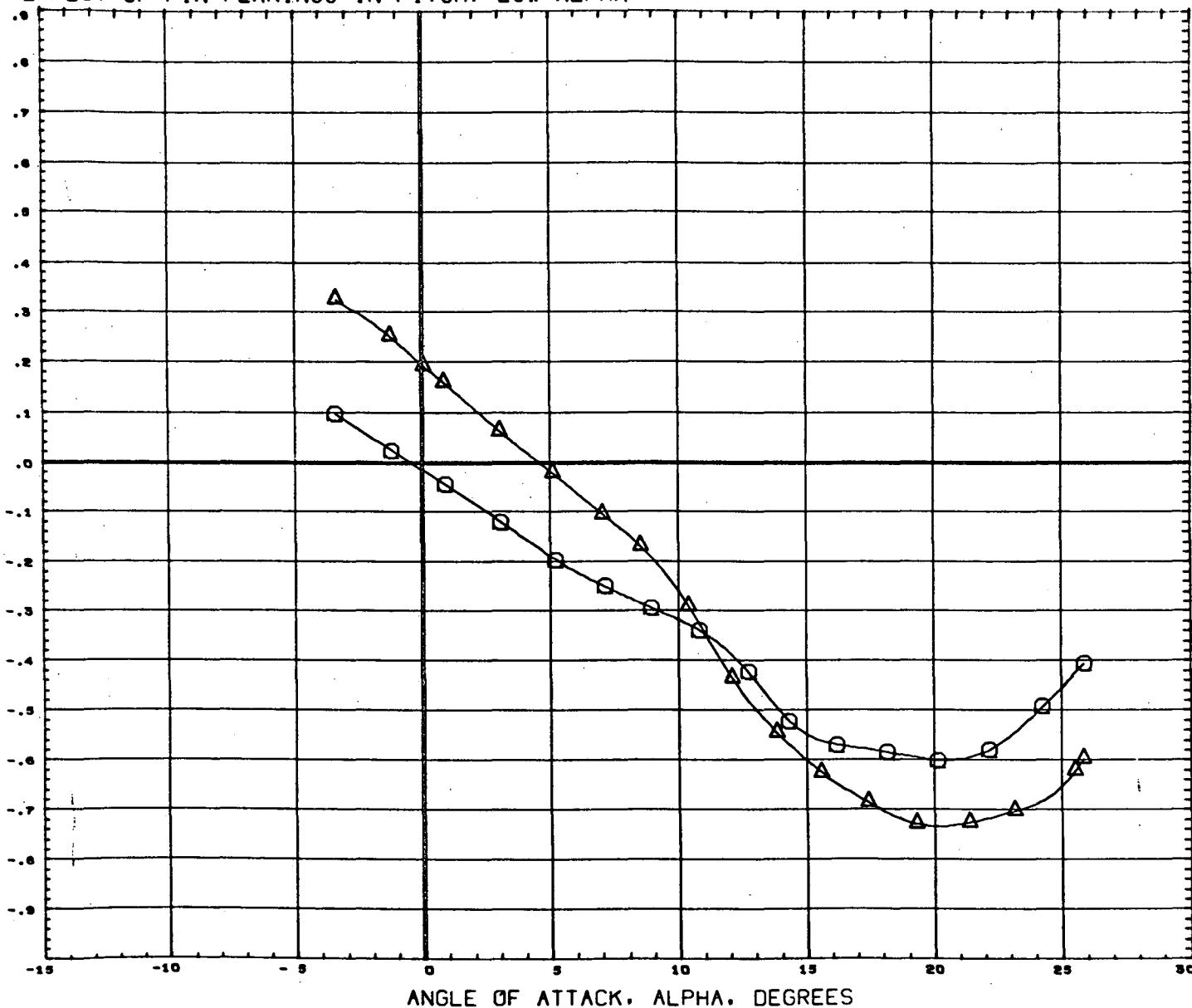
MACH .90

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (W08301) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F  
 (A06651) BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3

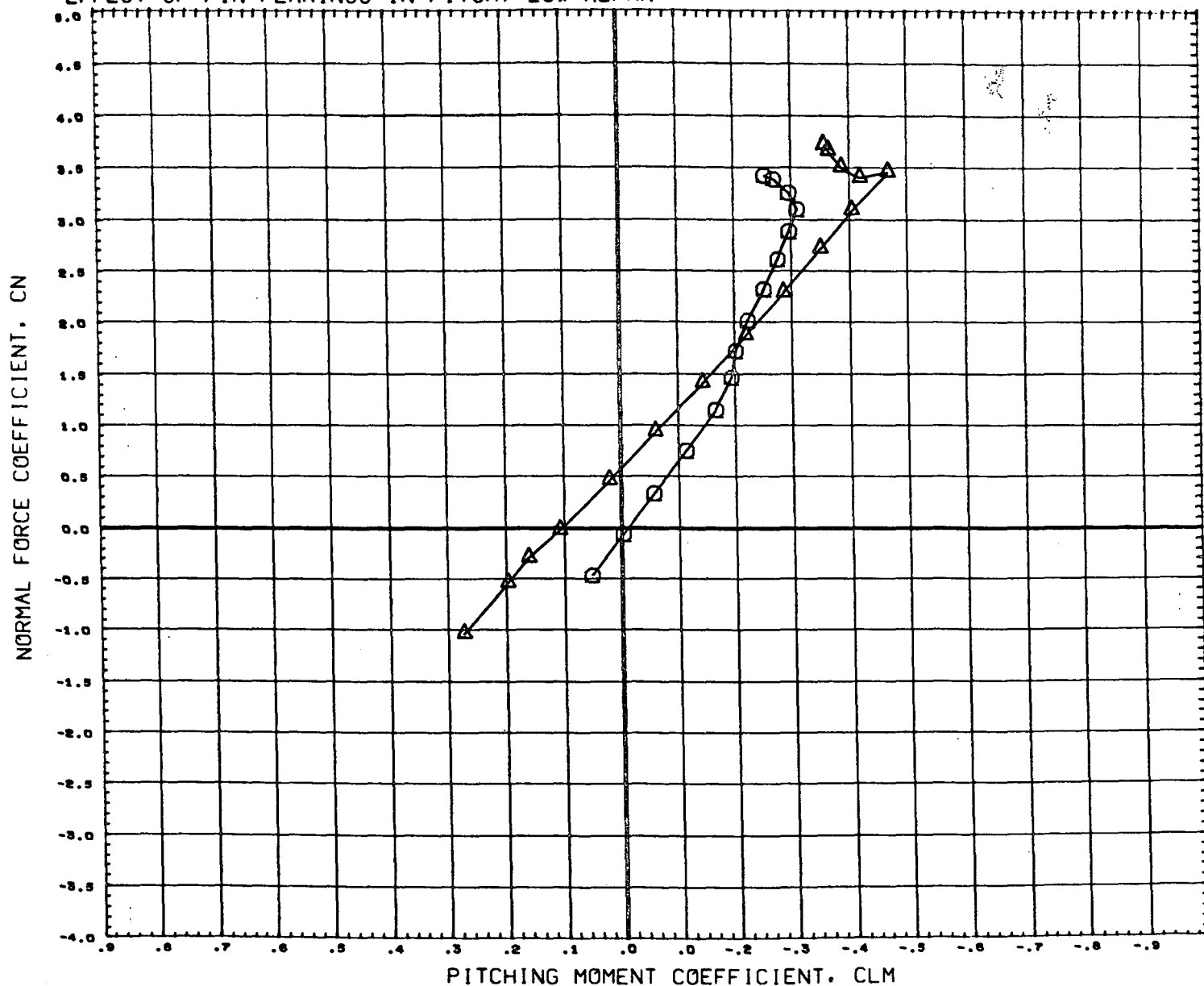
BETA DELTAV  
 0.000 0.000  
 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.6699 PERCENT

MACH 1.05

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



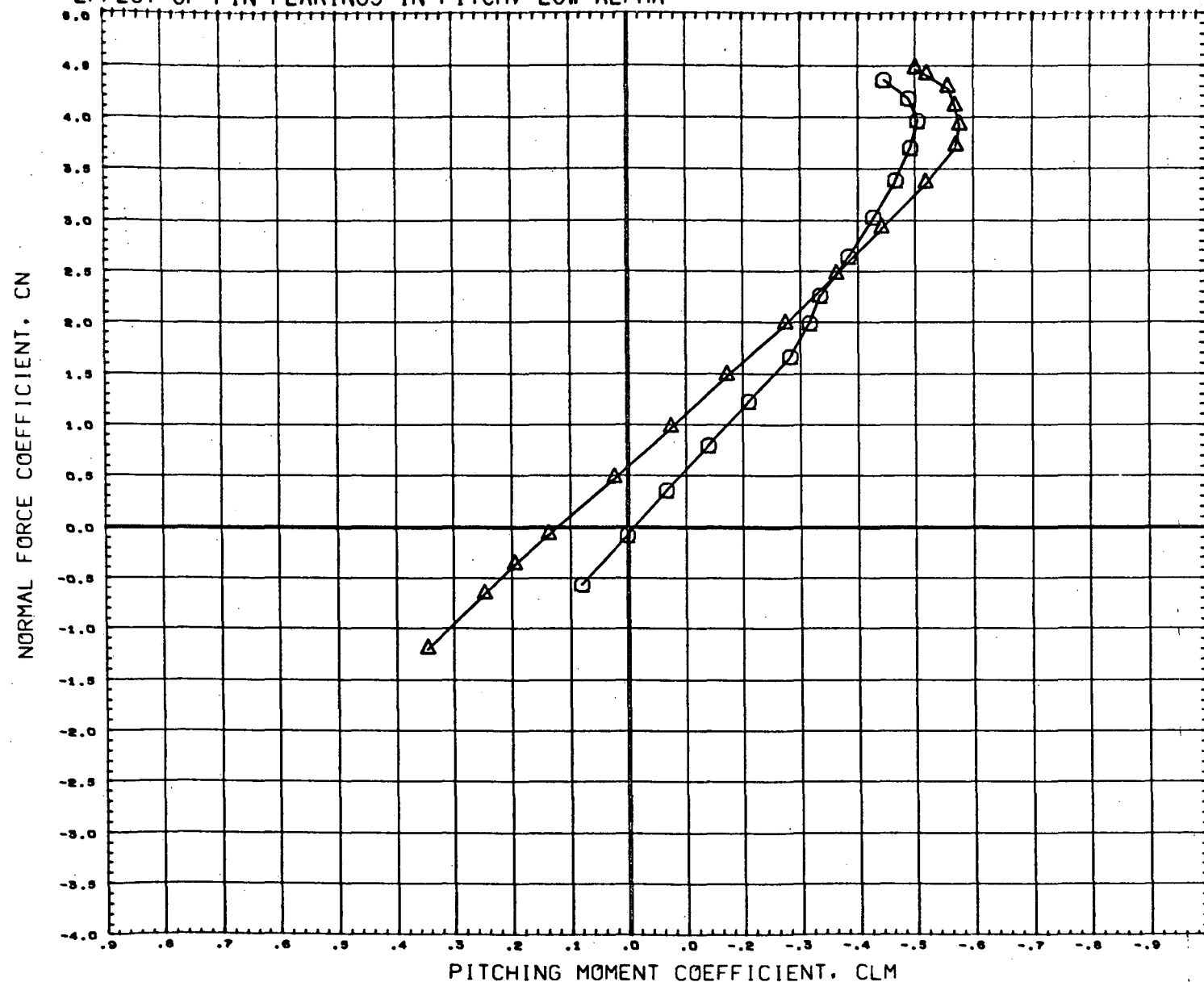
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08501)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD8631)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (WD8501) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F  
 (AD8631) BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3

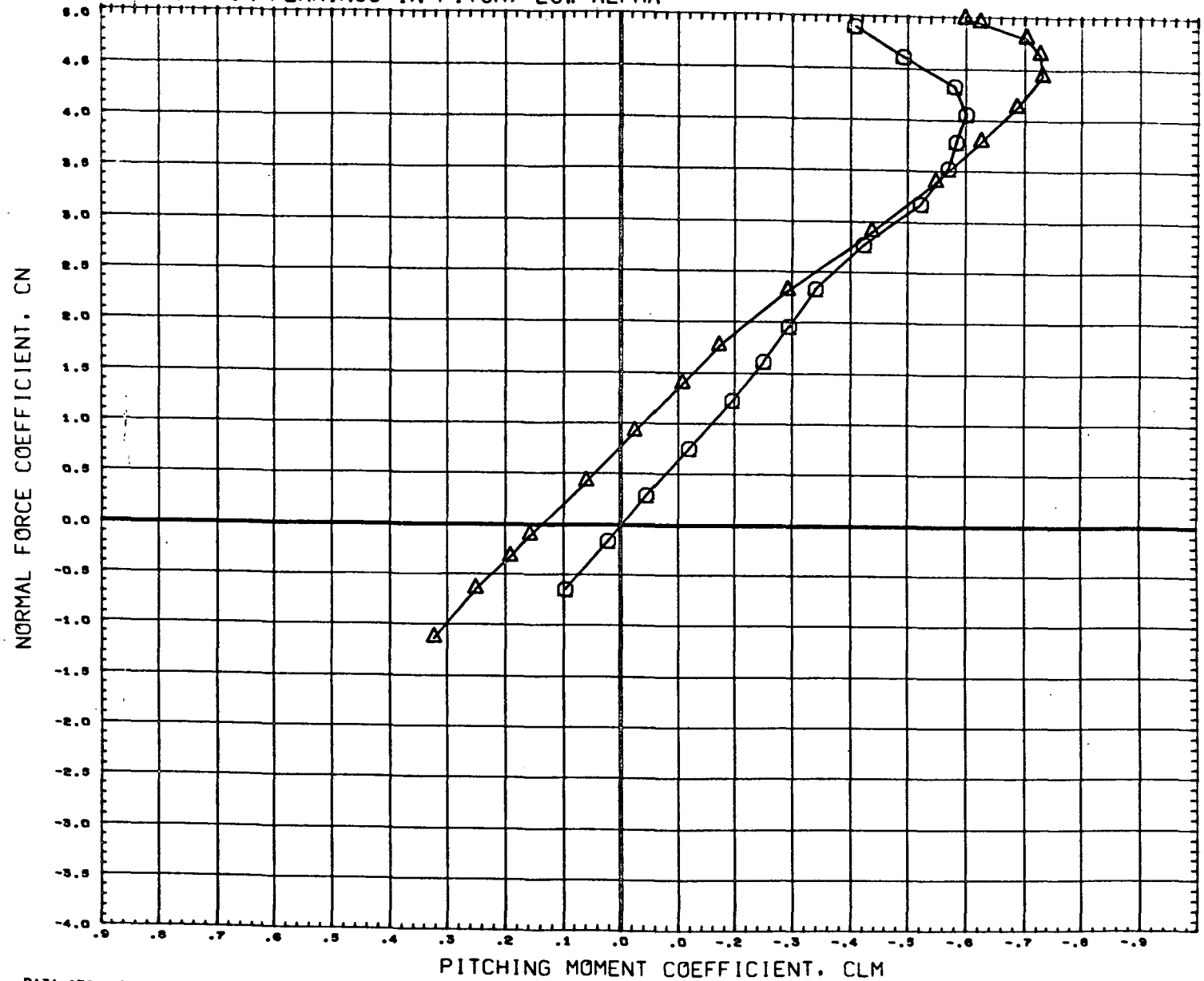
BETA DELTAV  
 0.000 0.000  
 0.000

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8699 PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

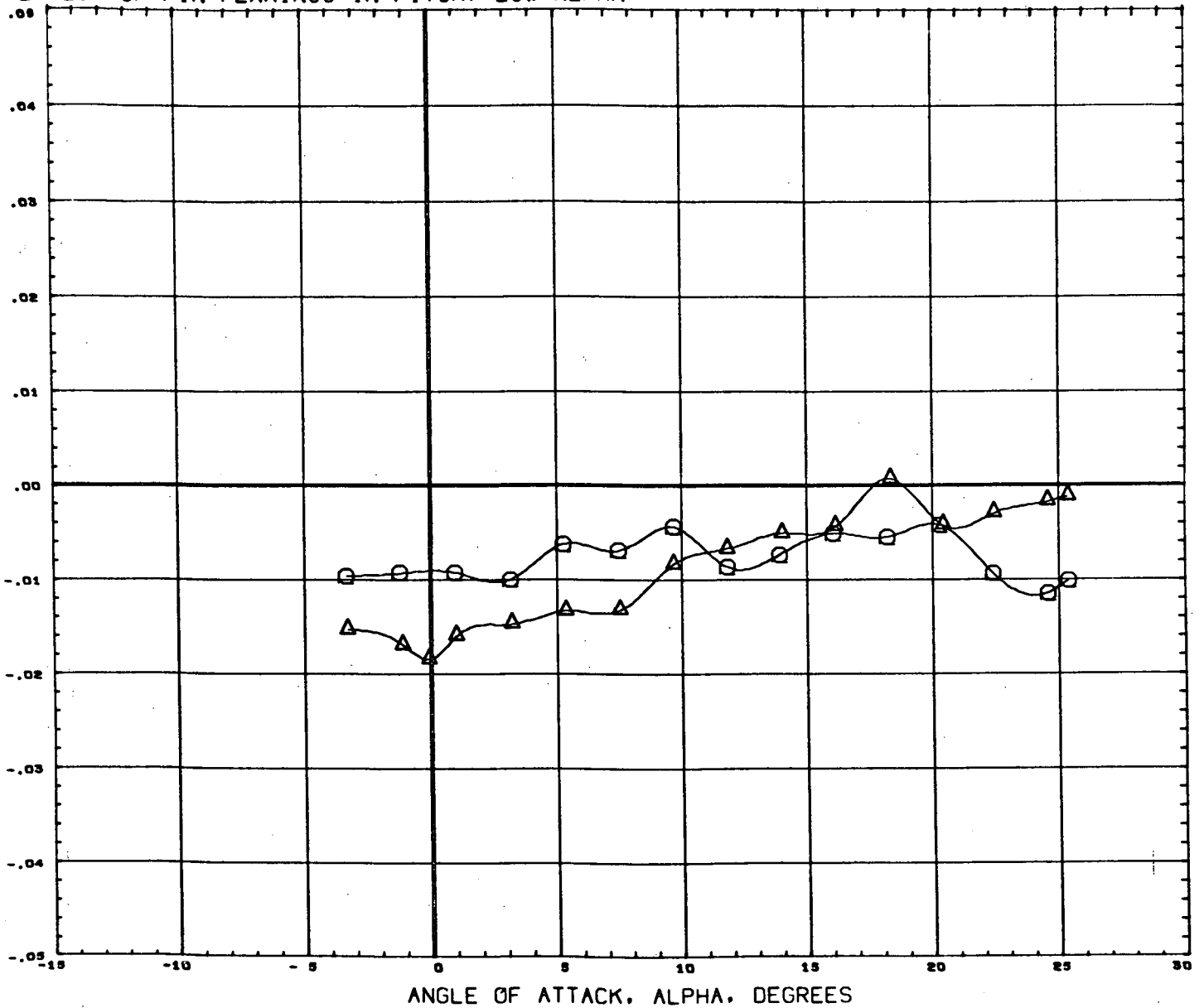


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(WD8501)	BTWT 1202/BSWT 557	0.000	0.000	SREF	9.7500 SQ. IN.
(AD8651)	BTWT 1202/BSWT 557	0.000	0.000	LREF	14.6830 INCHES
	PR-FED BRB			BREF	14.6830 INCHES
	BSS3V6F			XMRF	0.6000 LBODY
	BSS3V9AF3			YMRF	0.0000 INCHES
				ZMRF	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 1.05

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



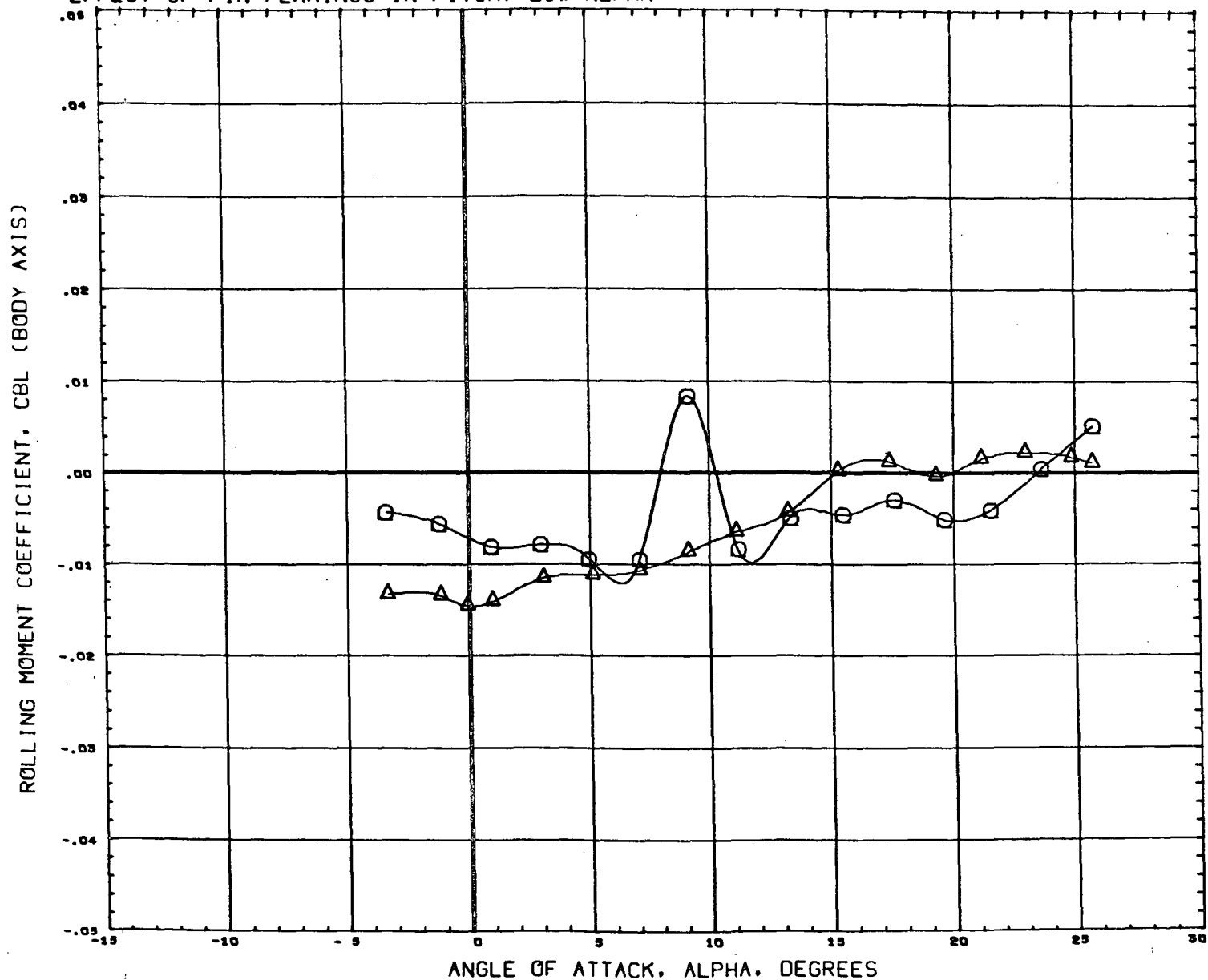
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTAV
(WD8501)	BTWT 1262/BSWT 557	PR-FED BRB	BSS3V6F	0.000	0.000	
(AD8651)	BTWT 1262/BSWT 557	PR-FED BRB	BSS3V9AF3	0.000		

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



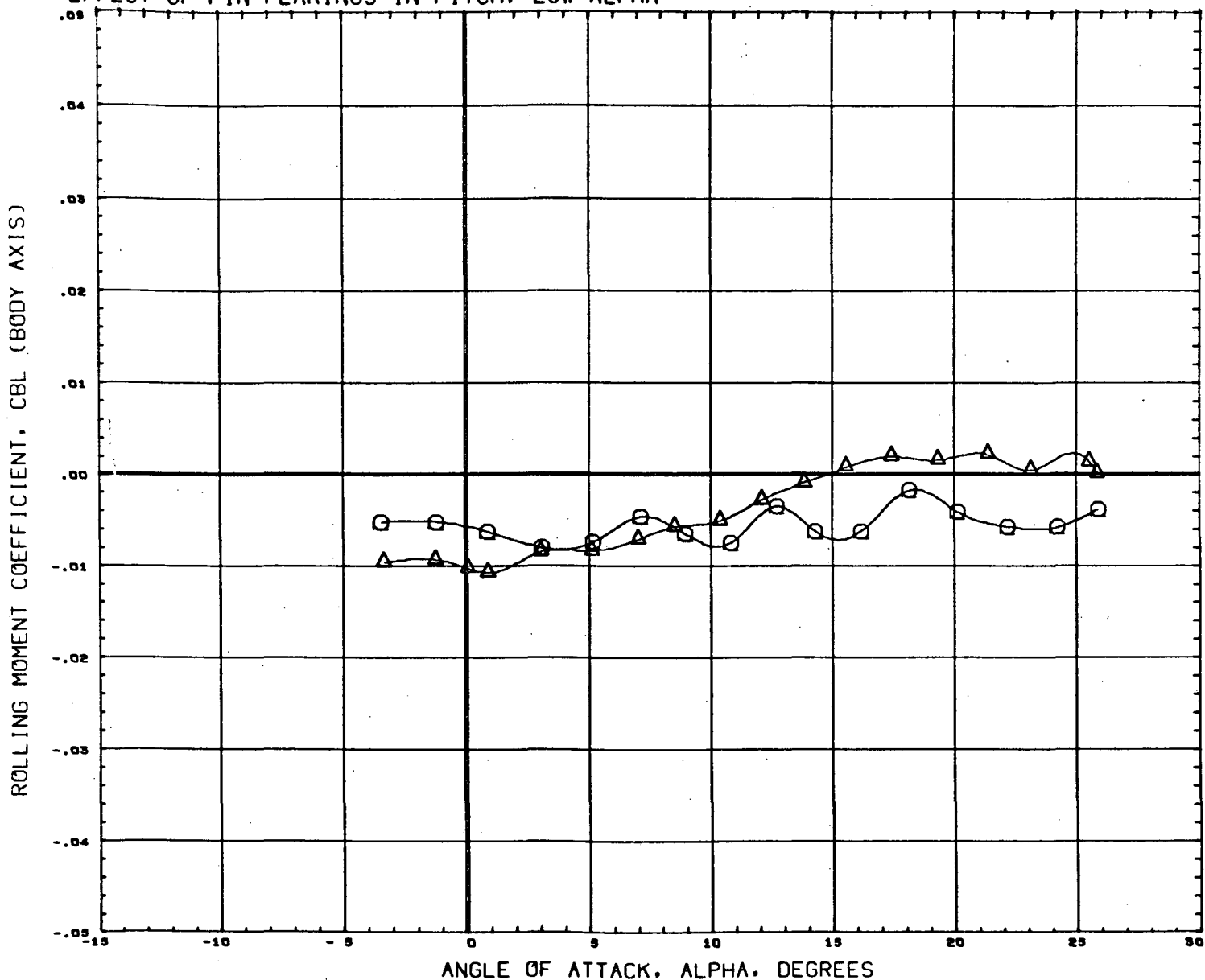
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(W08501)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD8651)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

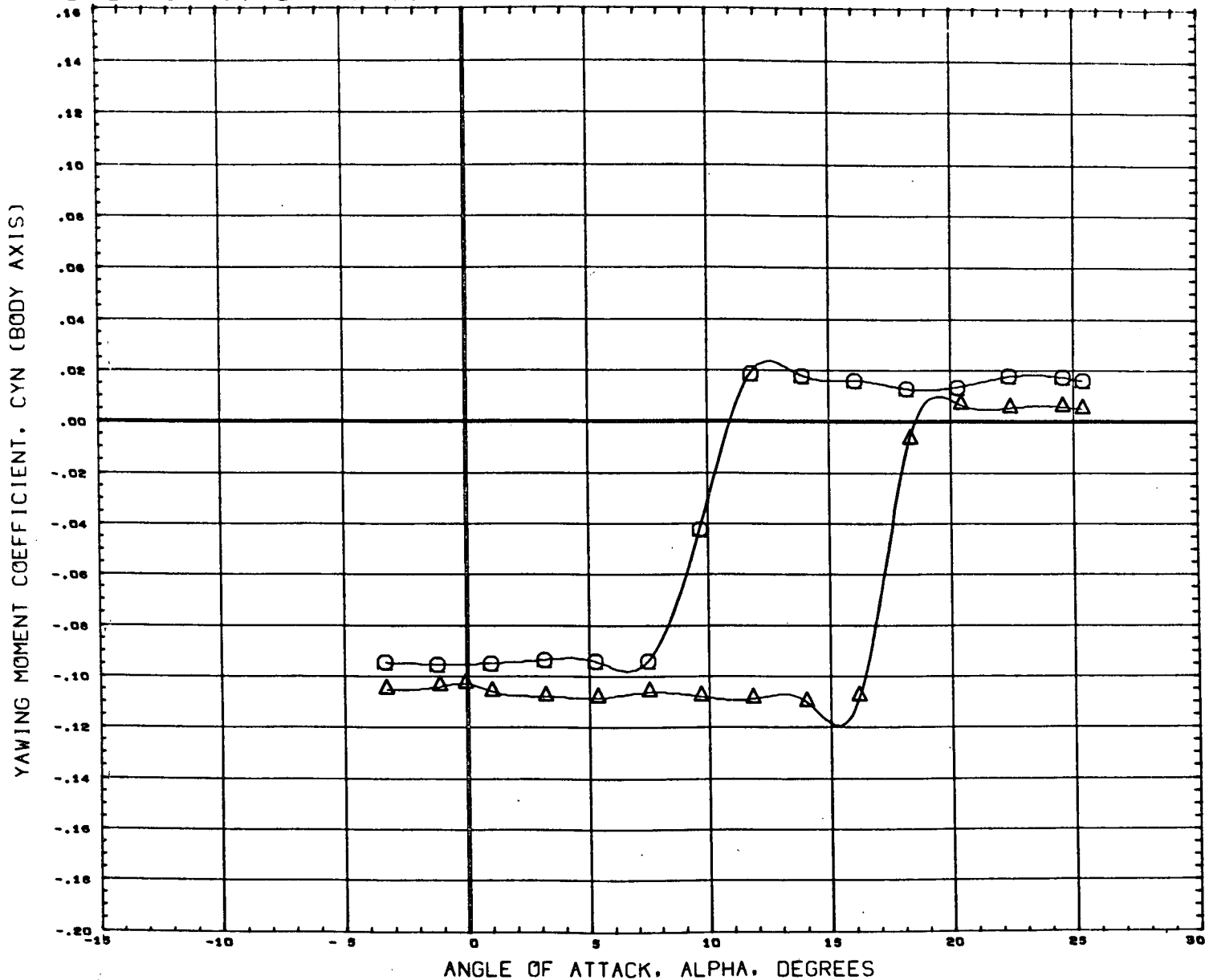


DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA	DELTAV	REFERENCE INFORMATION	
(WD8501)	○	BTWT 1282/BSWT 557	PR-FED BRD	0.000	0.000	SREF	9.7500 SQ. IN.
(AD8651)	△	BTWT 1282/BSWT 557	PR-FED BRB	0.000	0.000	LREF	14.6630 INCHES
						BREF	14.6630 INCHES
						XMRP	0.6000 LBODY
						YMRP	0.0000 INCHES
						ZMRP	0.0000 INCHES
						SCALE	0.6699 PERCENT

MACH 1.05

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD8501) BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F  
(AD8651) BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3

BETA DELTAV  
0.000 0.000  
0.000

REFERENCE INFORMATION

SREF 9.7500 SQ. IN.  
LREF 14.6630 INCHES  
BREF 14.6630 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.6699 PERCENT

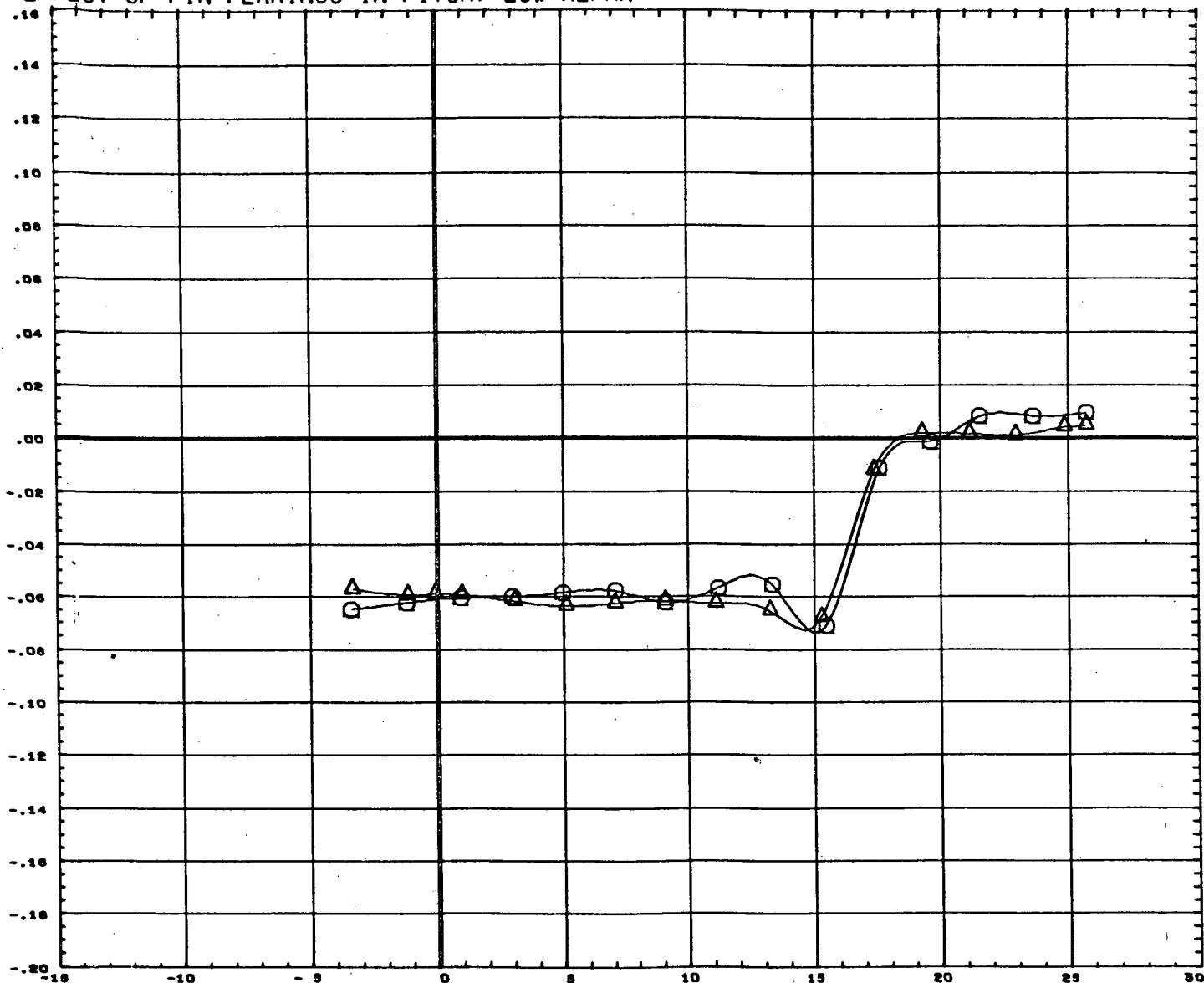
MACH .60

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(WD6501) BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F  
(AD6651) BTWT 1282/BSWT 557 PR-FED BRB 85S3V9AF3

BETA DELTAV  
0.000 0.000  
0.000

REFERENCE INFORMATION

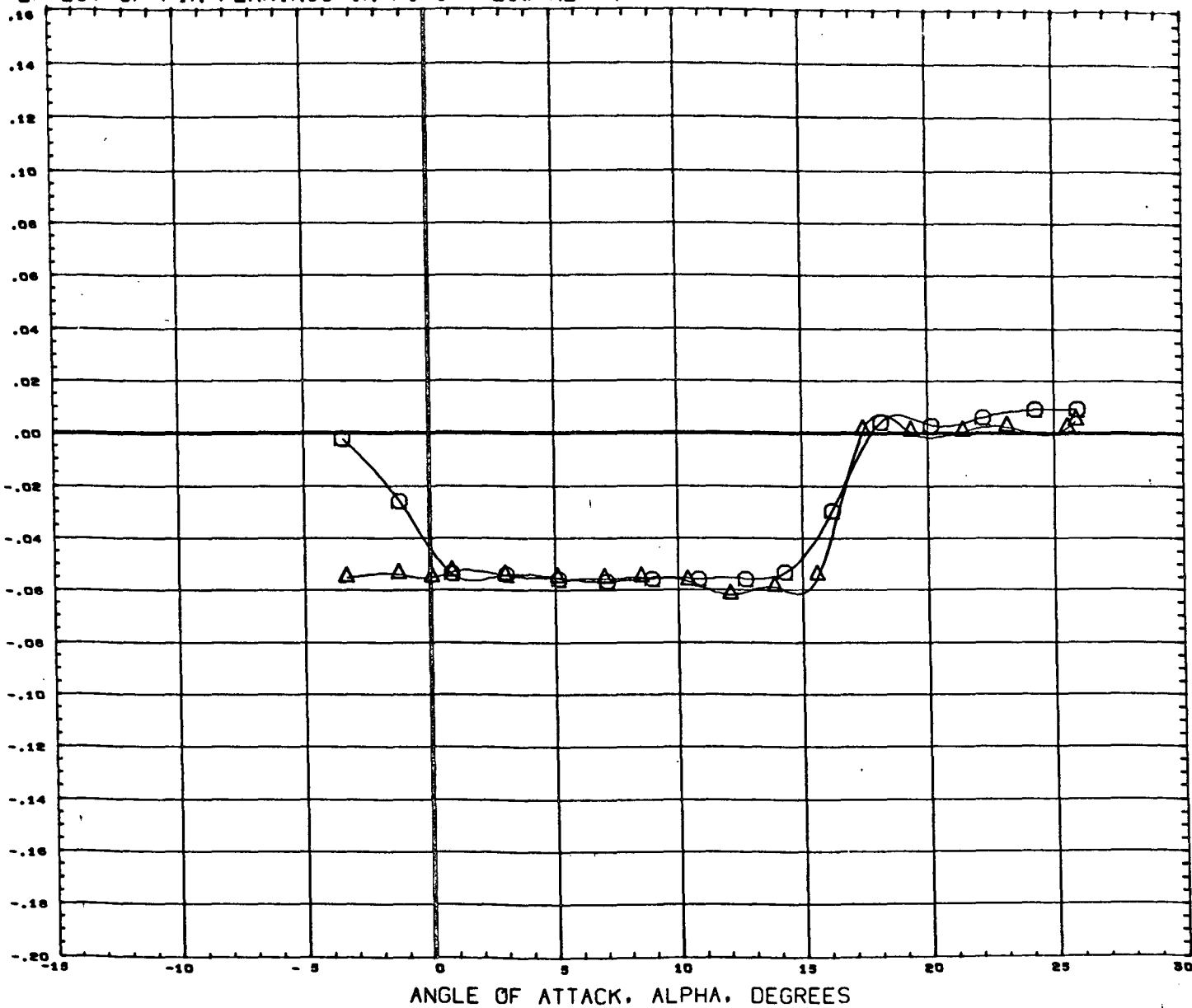
SREF 9.7500 SQ. IN.  
LREF 14.6630 INCHES  
BREF 14.6630 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.6699 PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



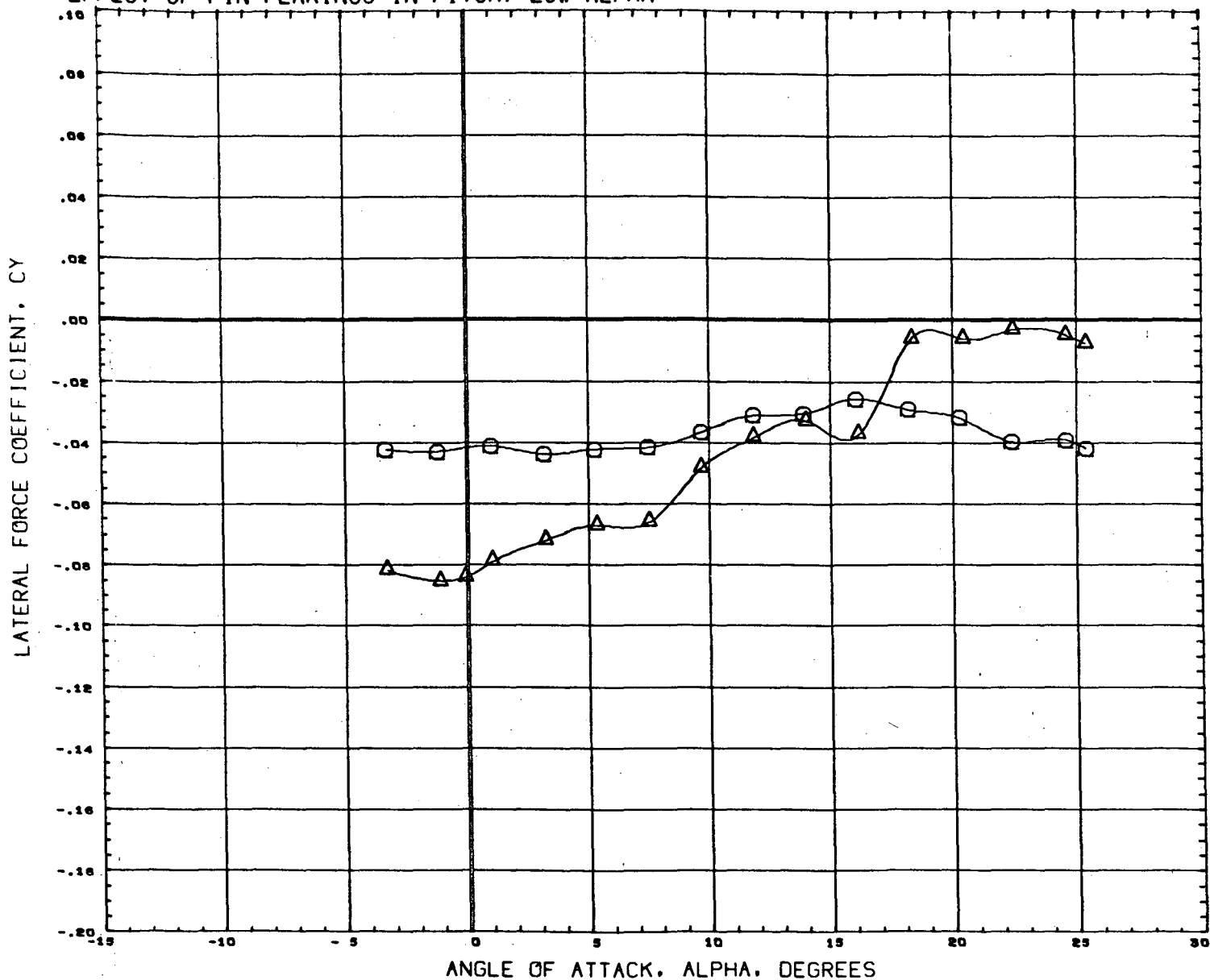
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08301)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD8651)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



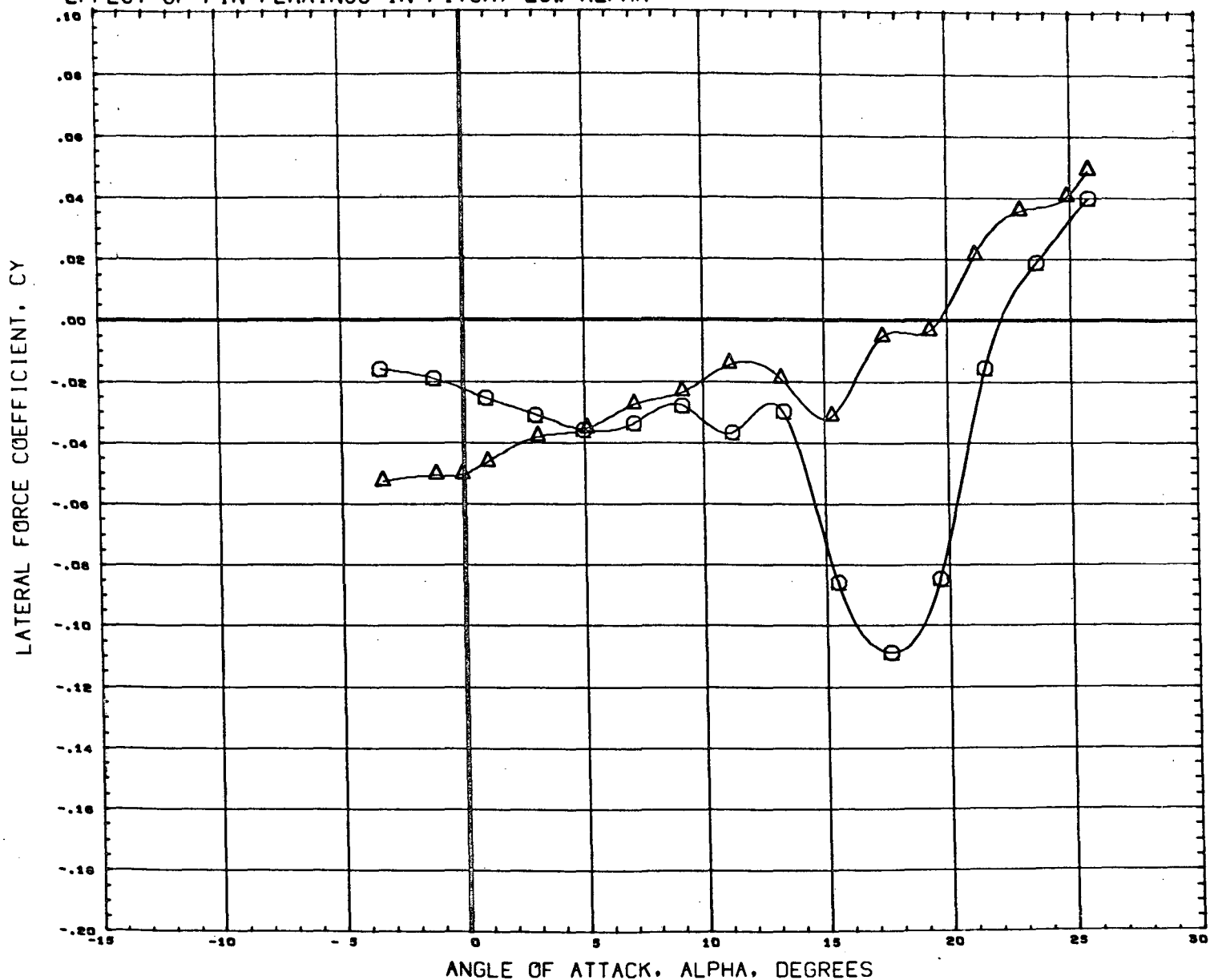
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(WD6501)	BTWT 1262/BSWT 557 PR-FED BRB BSS3V6F	0.000	0.000
(AD6651)	BTWT 1262/BSWT 557 PR-FED BRB BSS3V9AF3	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .60

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



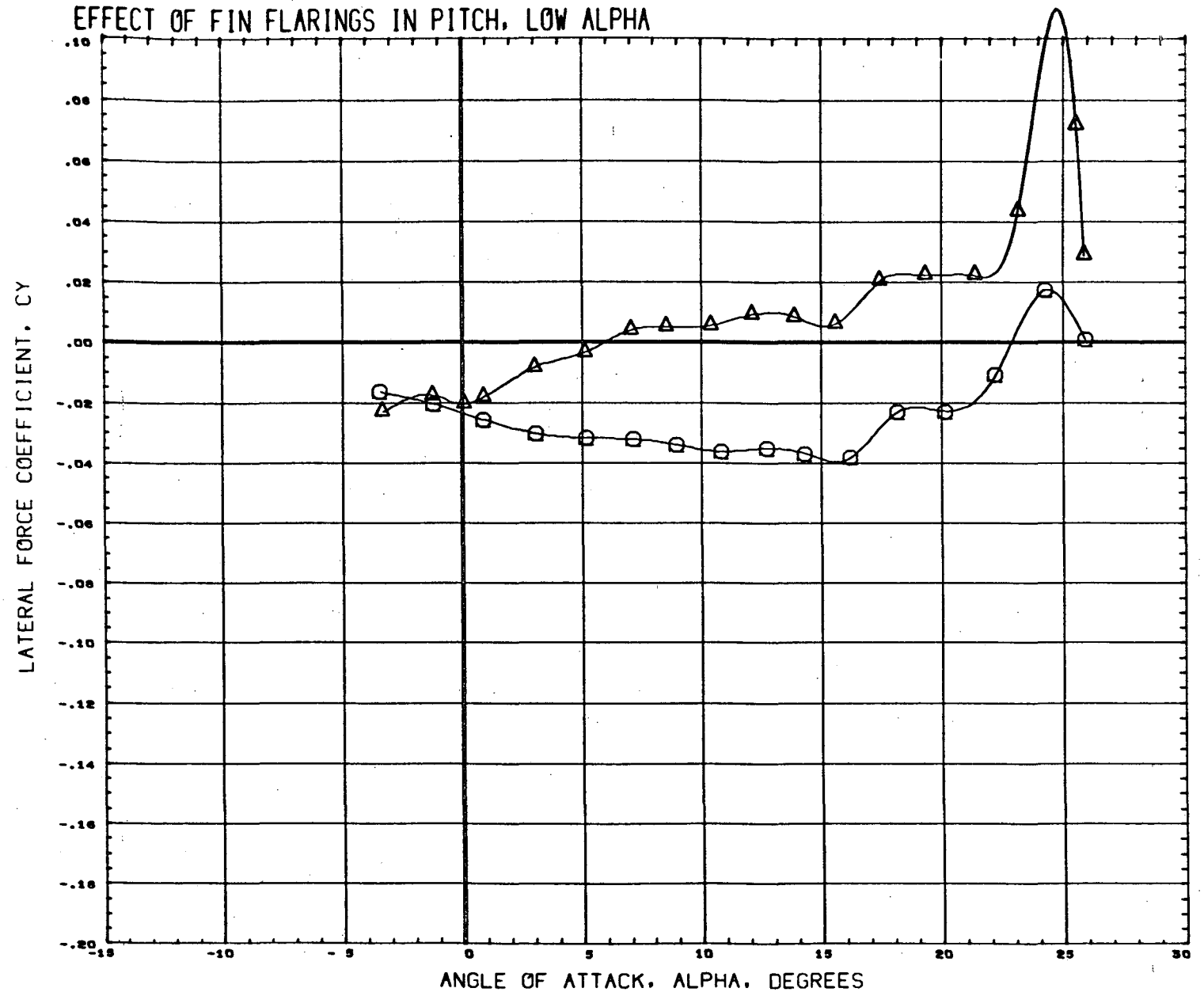
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(W08501)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD8651)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SO. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LEOBY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



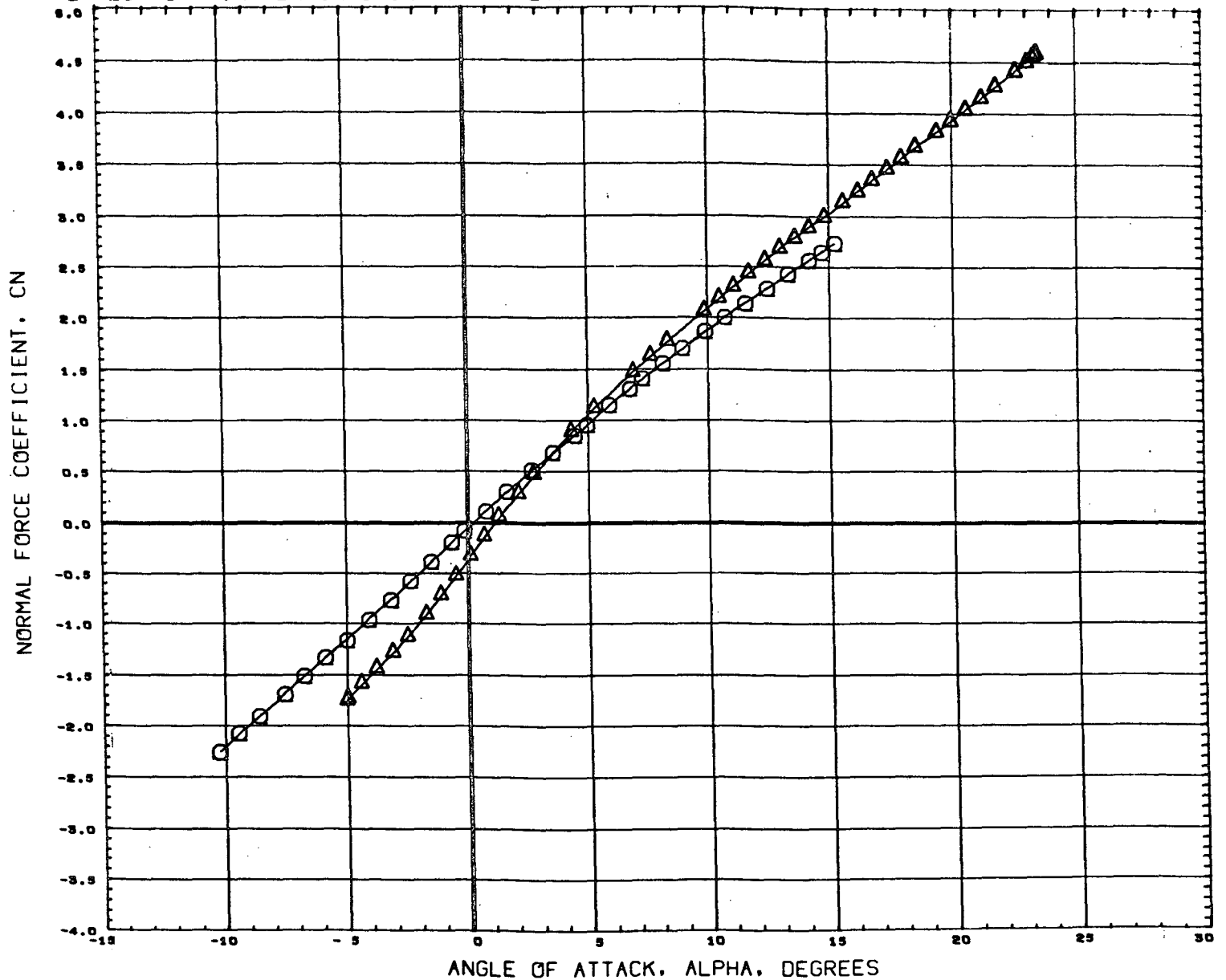
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(WD8501)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6F	0.000	0.000	
(AD8651)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9AF3	0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



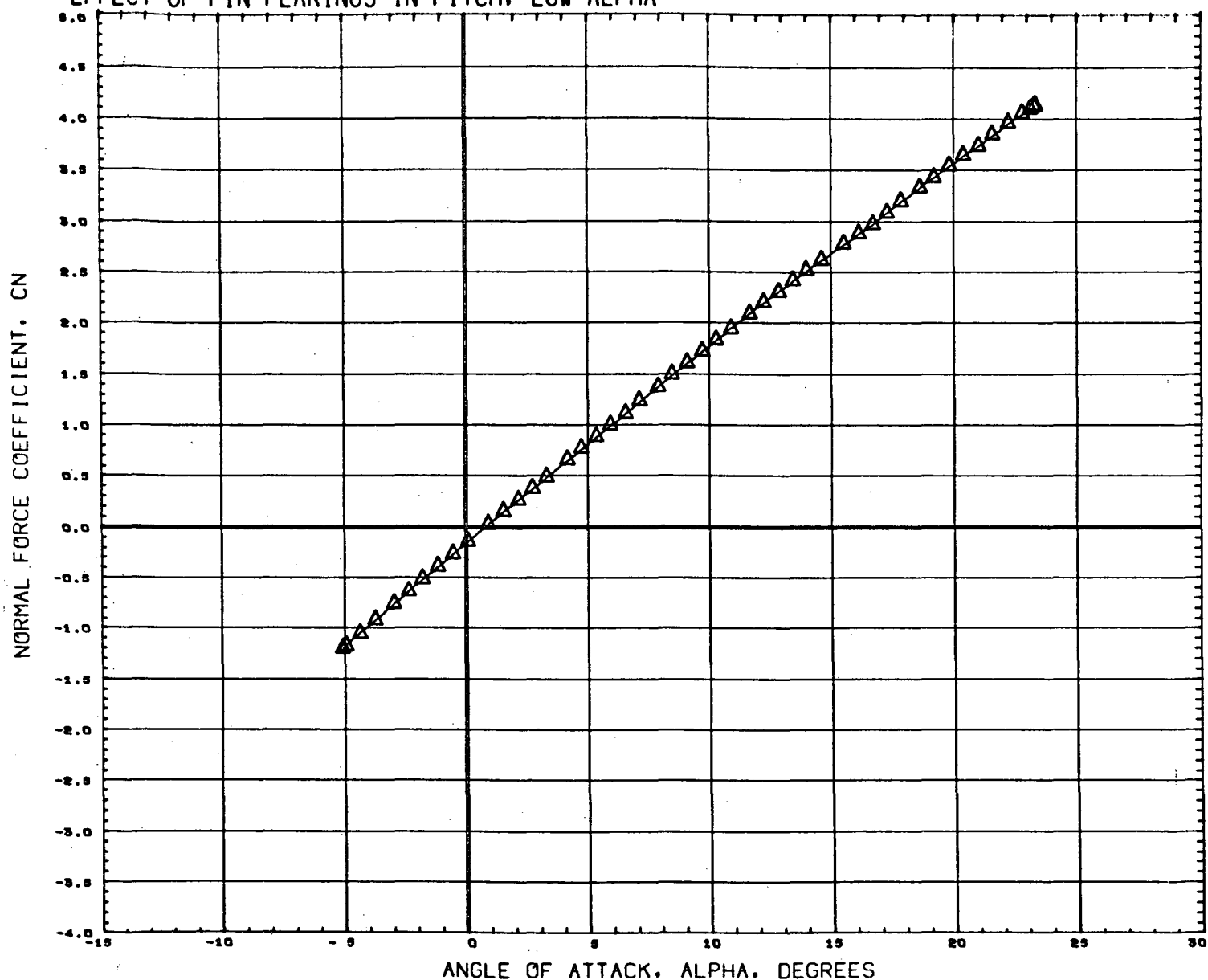
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(AD8401)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6	0.000	0.000
(BD8651)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (AD8401)    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (BD8651)    BTWT 1262/BSWT 957    PR-FED BRG    B9S3V9AF3

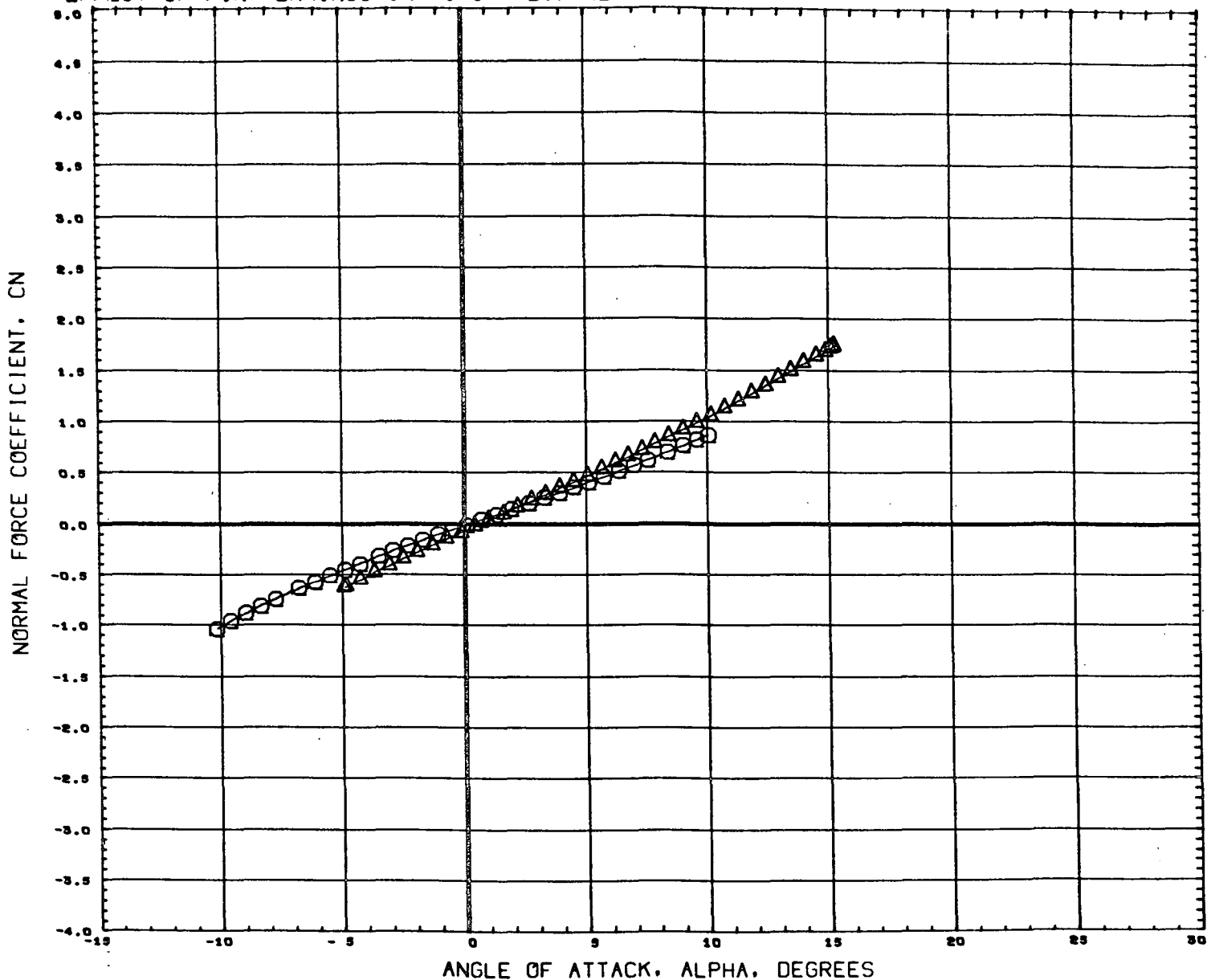
BETA    DELTAV  
 0.000    0.000  
 0.000    0.000

REFERENCE INFORMATION  
 SREF    9.7500    SQ.IN.  
 LREF    14.6630    INCHES  
 BREF    14.6630    INCHES  
 XMRF    0.6000    LBODY  
 YMRF    0.0000    INCHES  
 ZMRF    0.0000    INCHES  
 SCALE    0.8699    PERCENT

MACH    2.00

PAGE    451

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(ADR401)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V8	0.000	0.000
(ED8691)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

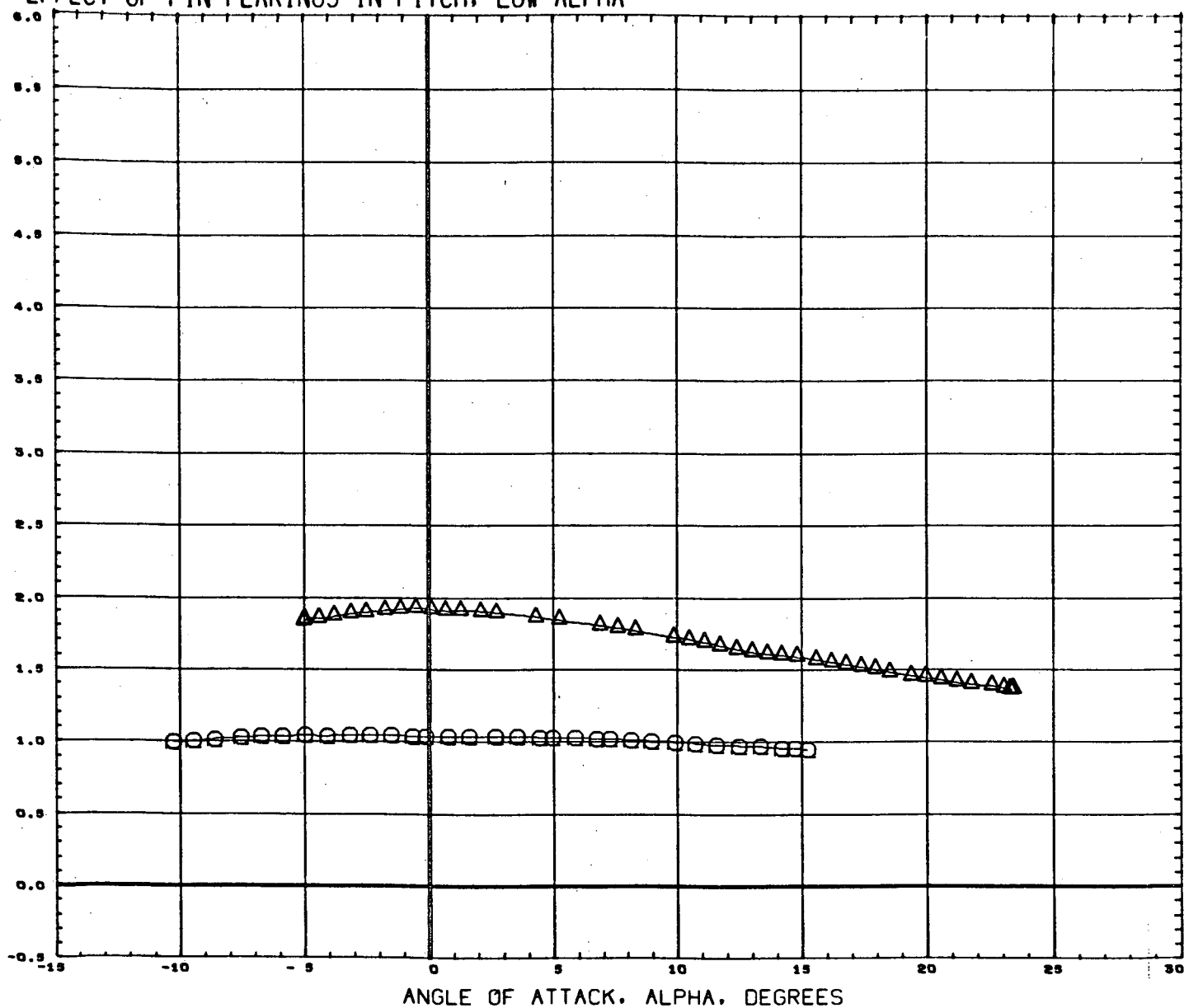
MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8401)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6	BETA	DELTA V
(ED8651)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9AF3	0.000	0.000

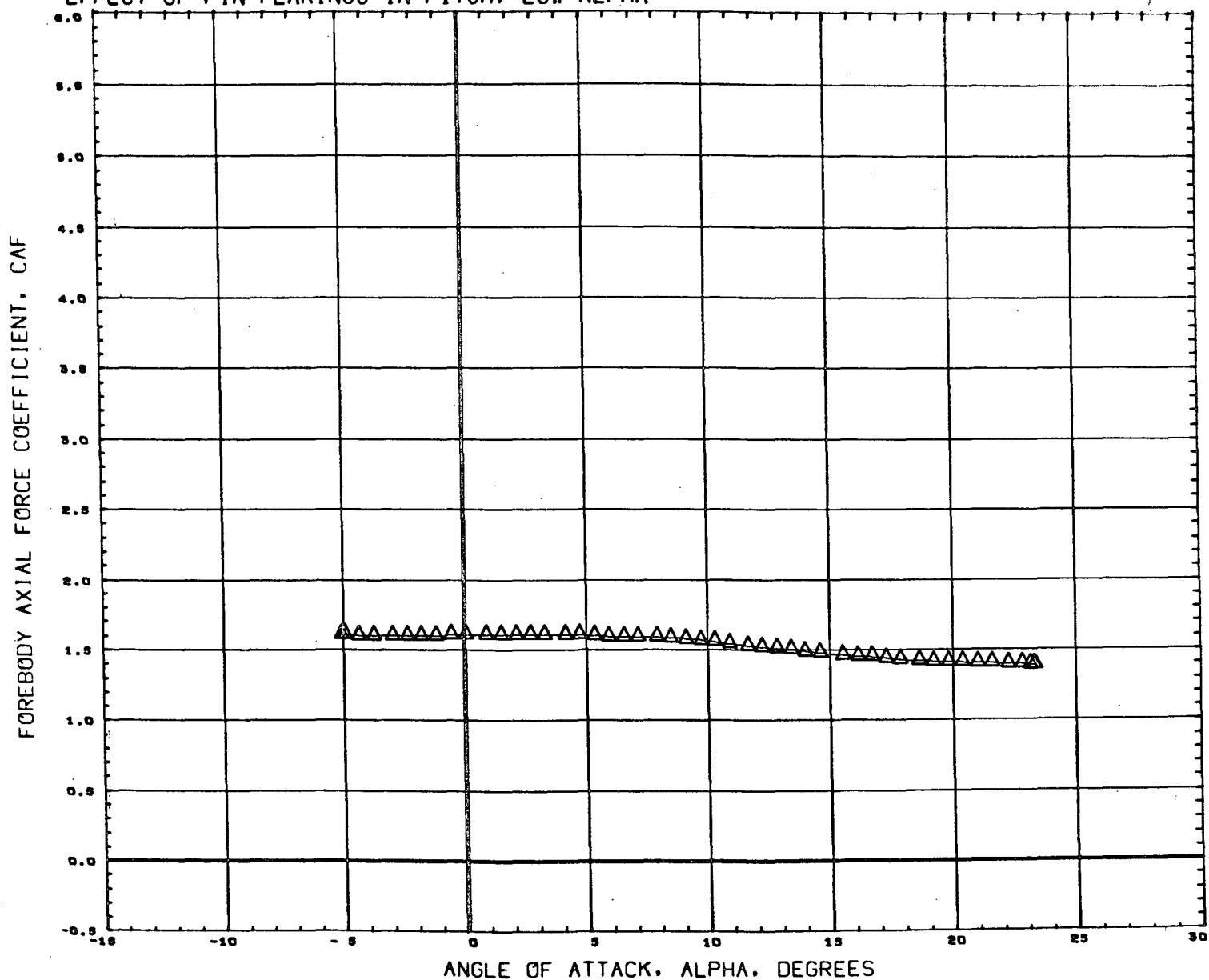
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BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ADR401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (BD0651) BTWT 1262/BSWT 557 PR-FED BRD B9S3V9AF3

BETA DELTAV  
 0.000 0.000  
 0.000

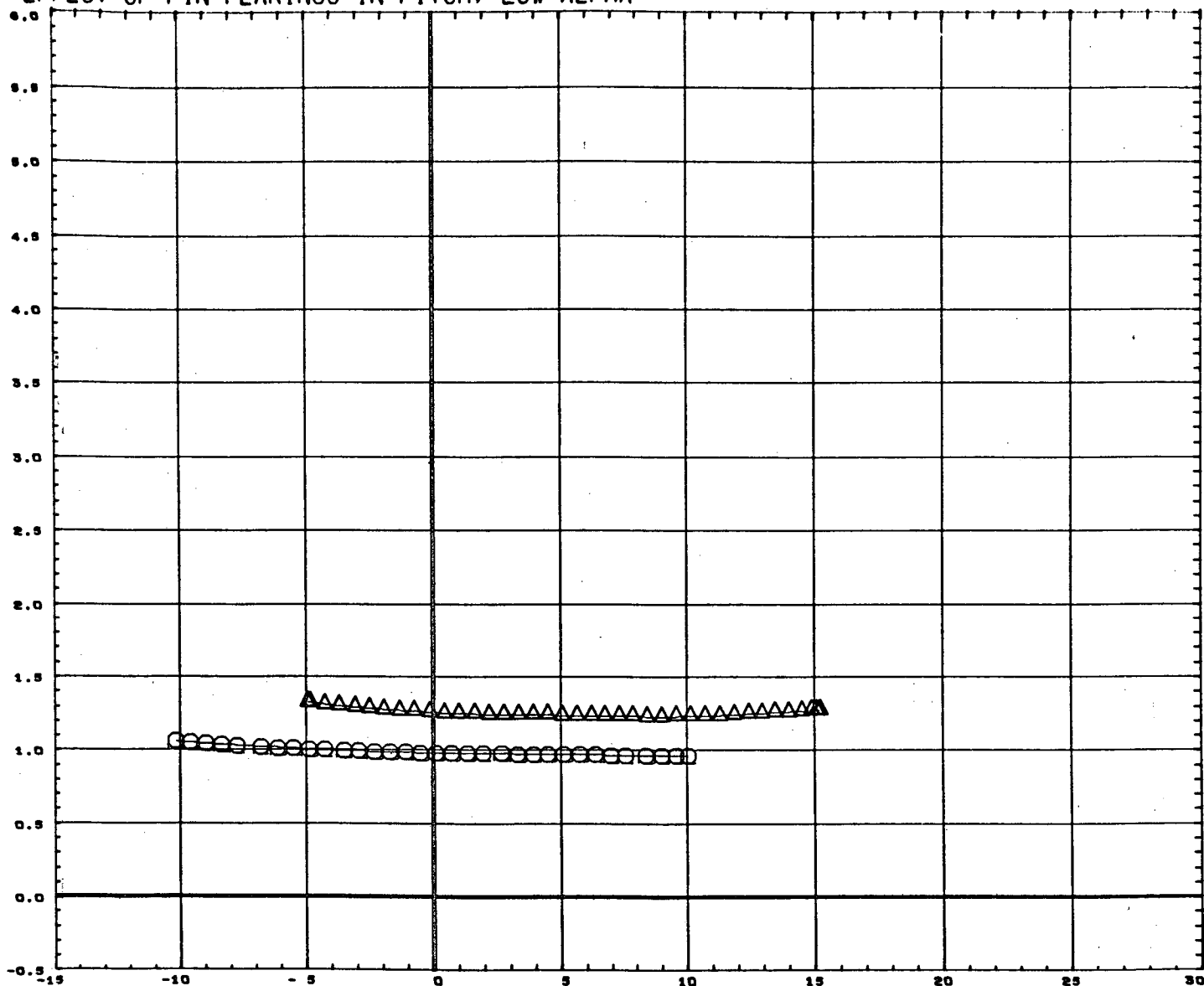
REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.0000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.6899 PERCENT

MACH 2.00

PAGE 454

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8401) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6  
(BD8651) BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3

BETA DELTAV  
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0.000

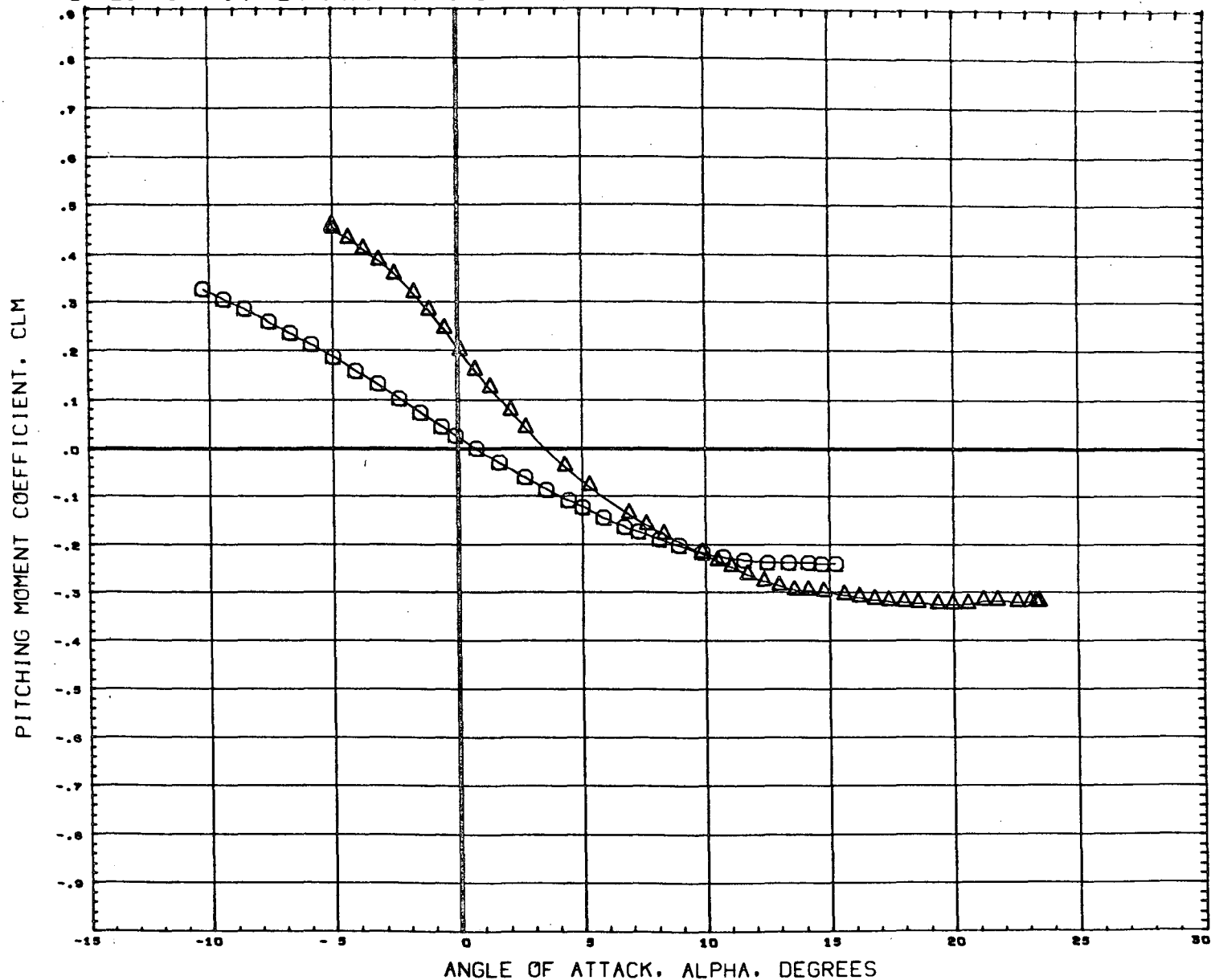
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LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.6699 PERCENT

MACH 3.98

PAGE 455

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8401)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6
(BD8651)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V9AF3

BETA	DELTA V
0.000	0.000
0.000	

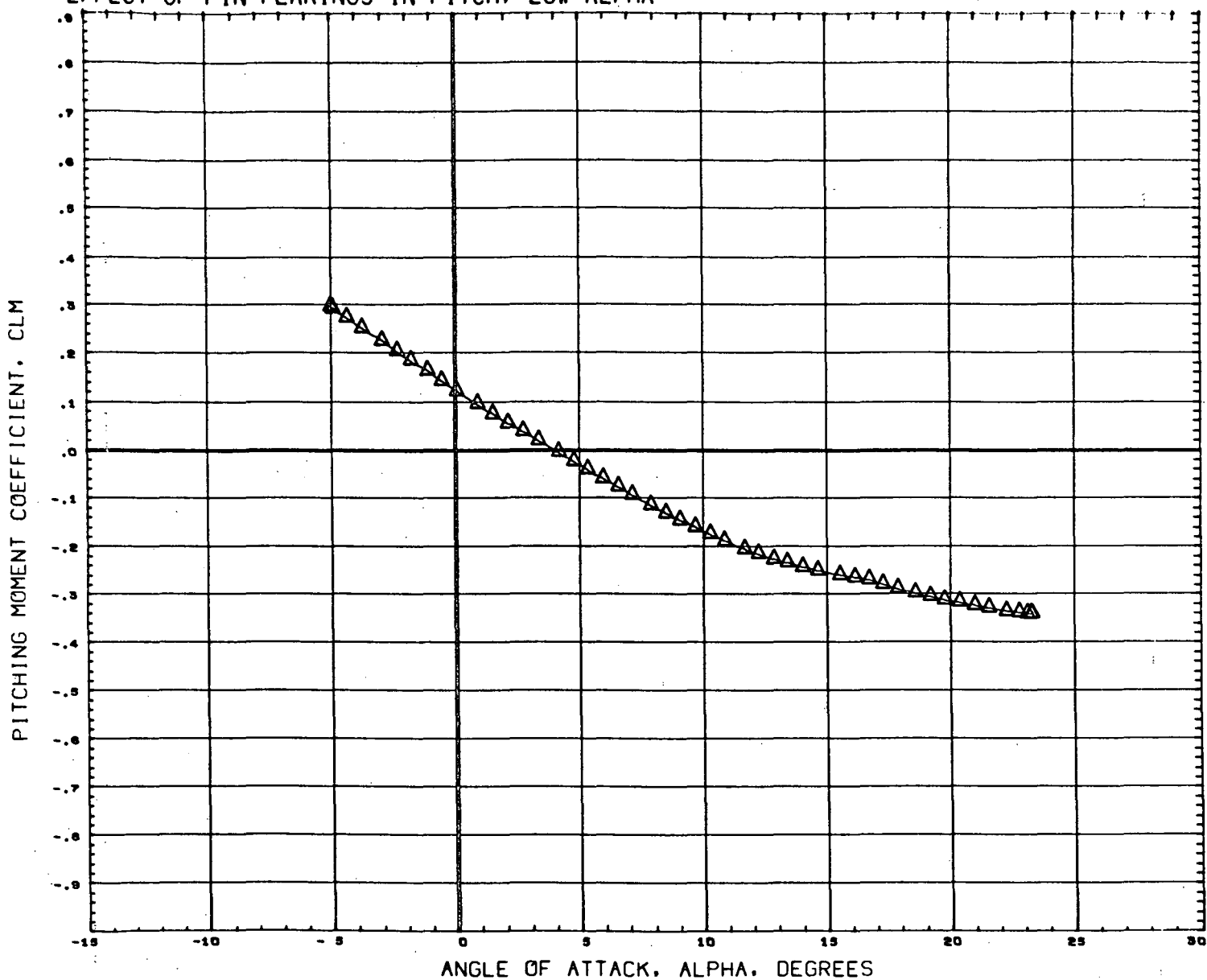
REFERENCE INFORMATION

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LREF	14.6830	INCHES
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XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

PAGE 456

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (AD6401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (BD6651) BTWT 1282/BSWT 957 PR-FED BRB B5S3V9AF3

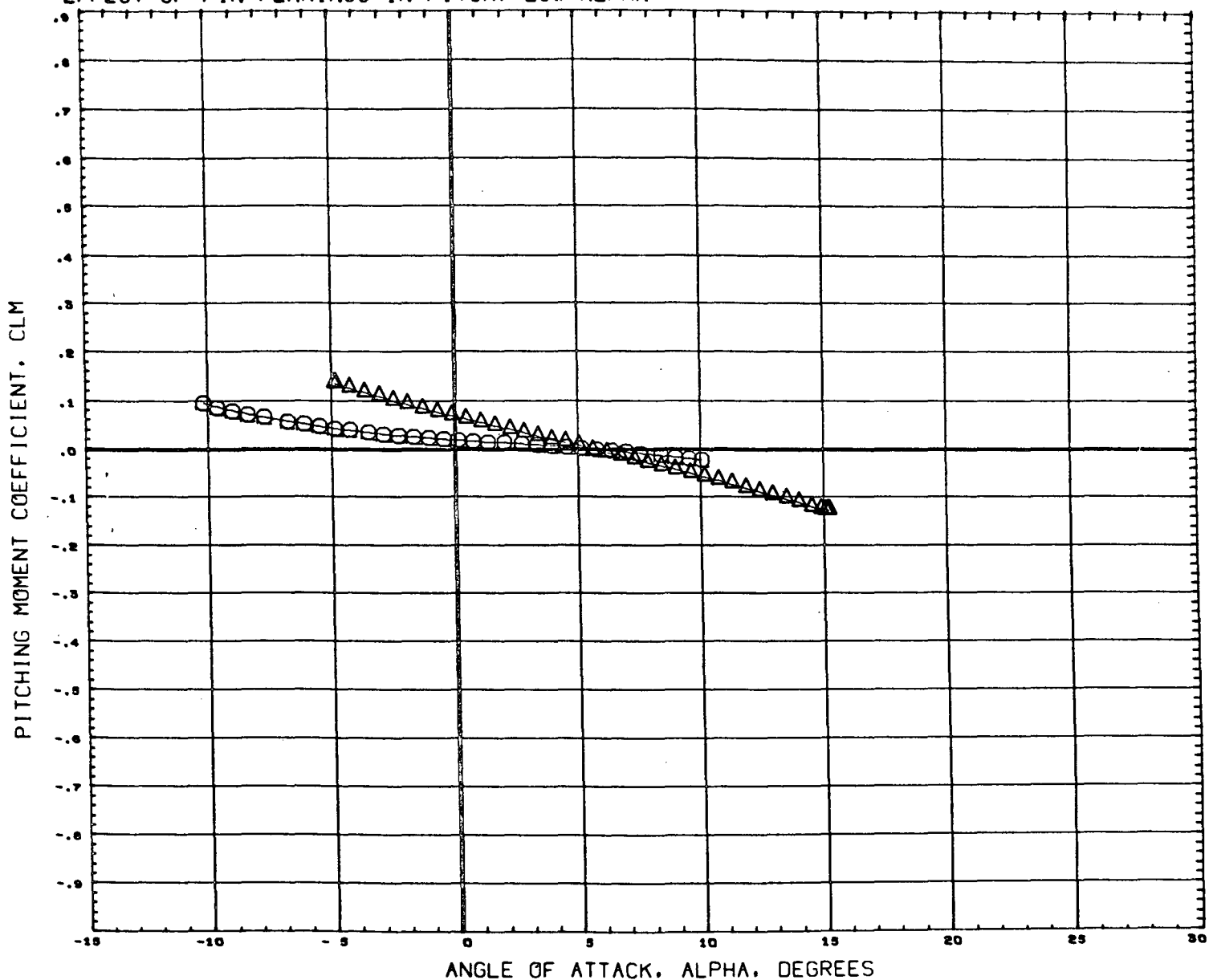
BETA DELTAV  
 0.000 0.000  
 0.000

REFERENCE INFORMATION  
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 LREF 14.6630 INCHES  
 BREF 14.6630 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8699 PERCENT

MACH 2.00

PAGE 457

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



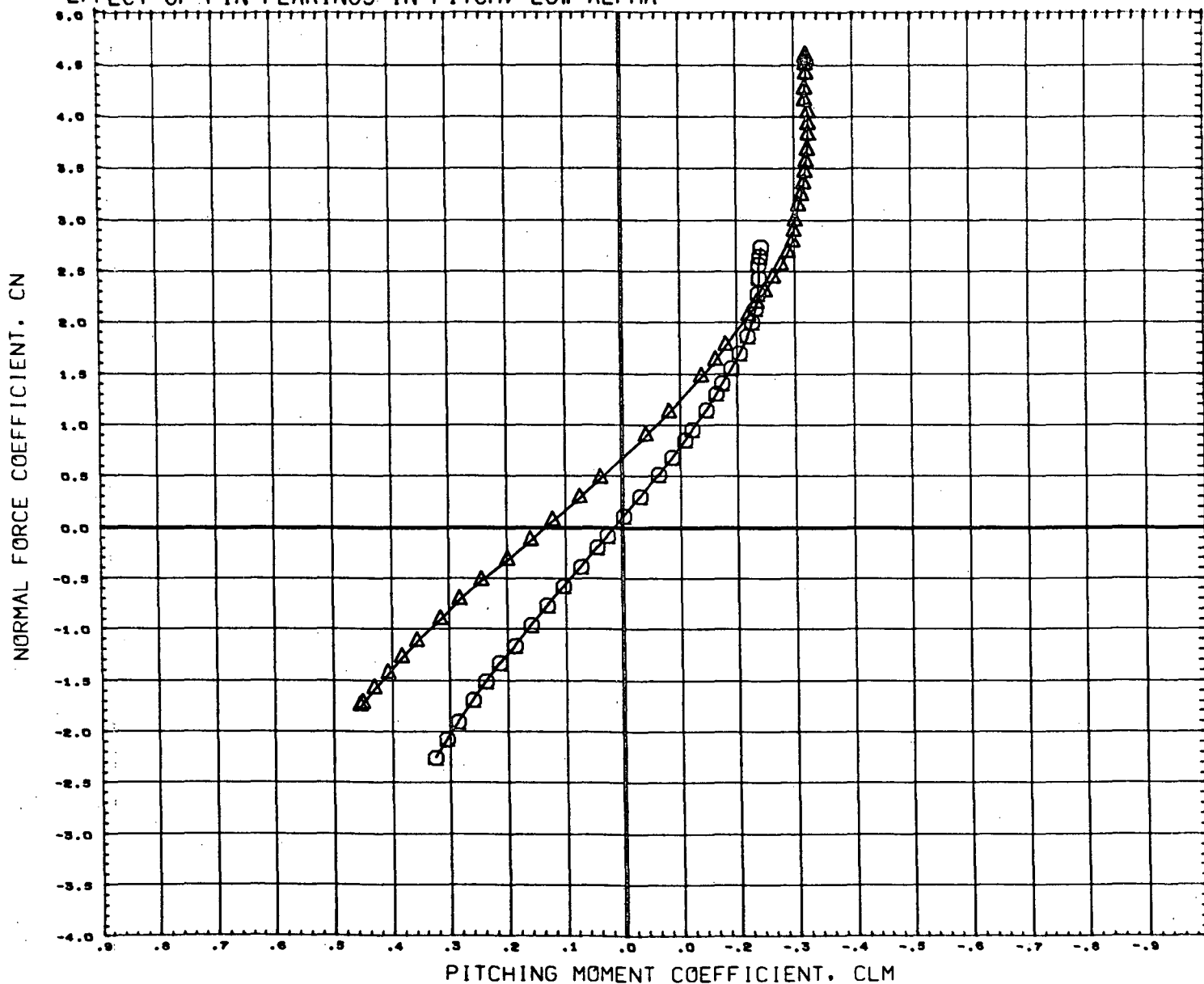
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(AD0401) ○	BTWT 1202/BSWT 557 PR-FED BRB BSS3V6	0.000	0.000
(BD0651) △	BTWT 1202/BSWT 557 PR-FED BRB BSS3V9AF3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8401)	BTWT 1262/BSWT 557	PR-FED BRB	B553V6
(BD8651)	BTWT 1262/BSWT 557	PR-FED BRB	B553V9AF3

BETA	DELTA V
0.000	0.000
0.000	

REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.40

PAGE 459

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (A08401)    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (B08651)    BTWT 1282/BSWT 937    PR-FED BRB    85S3V9AF3

BETA    DELTAV  
 0.000    0.000  
 0.000

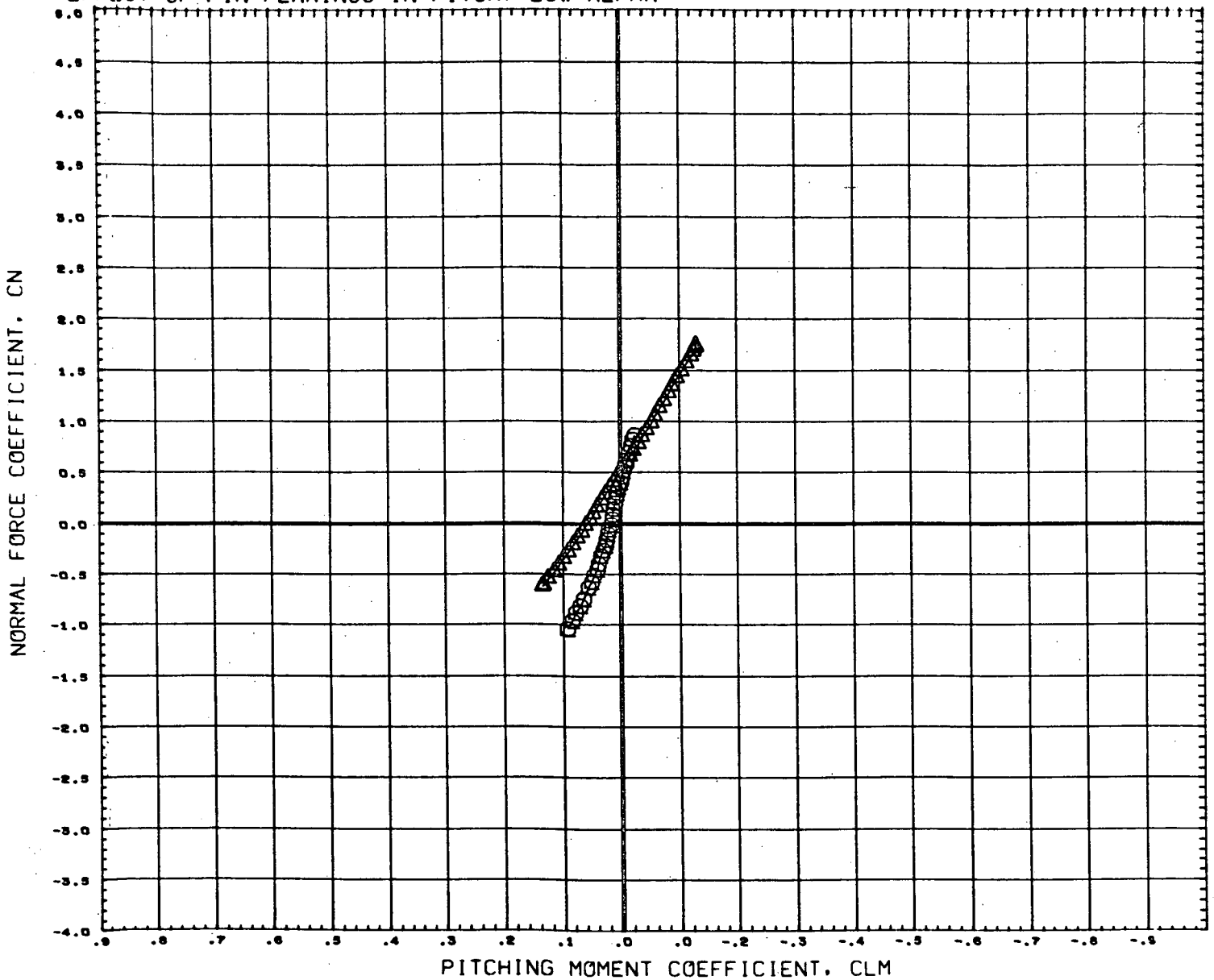
REFERENCE INFORMATION  
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 LREF    14.6630    INCHES  
 BREF    14.6630    INCHES  
 XMRP    0.6000    LBODY  
 YMRP    0.0000    INCHES  
 ZMRP    0.0000    INCHES  
 SCALE    0.8899    PERCENT

MACH    2.00

PAGE    460



# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8401) BTWT 1282/BSWT 557 PR-FED BRB B5S3V6

(BD8651) BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3

BETA DELTAV  
0.000 0.000  
0.000

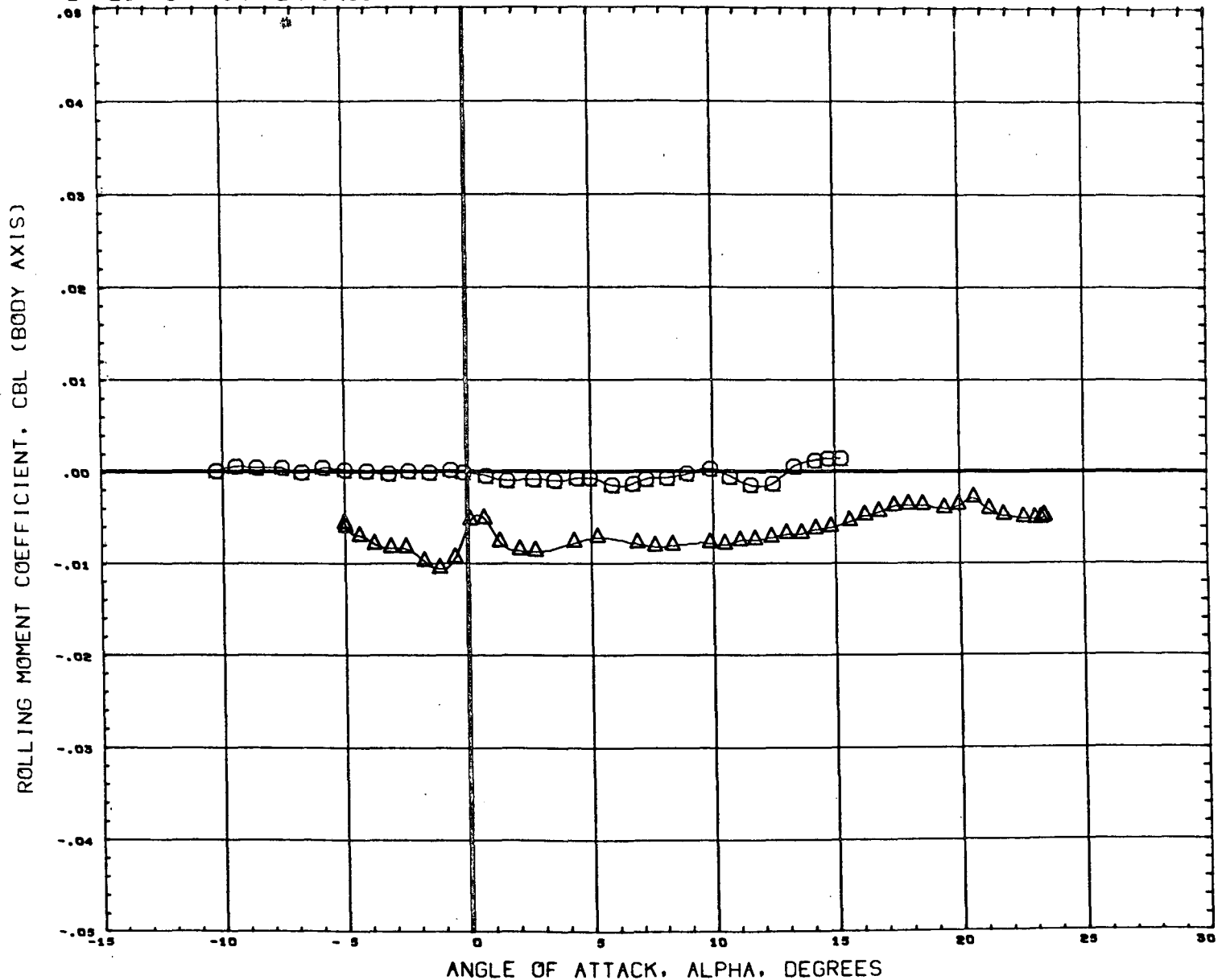
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YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(AD8401)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3V6	0.000	0.000	
(BD8651)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3V9AF3	0.000		

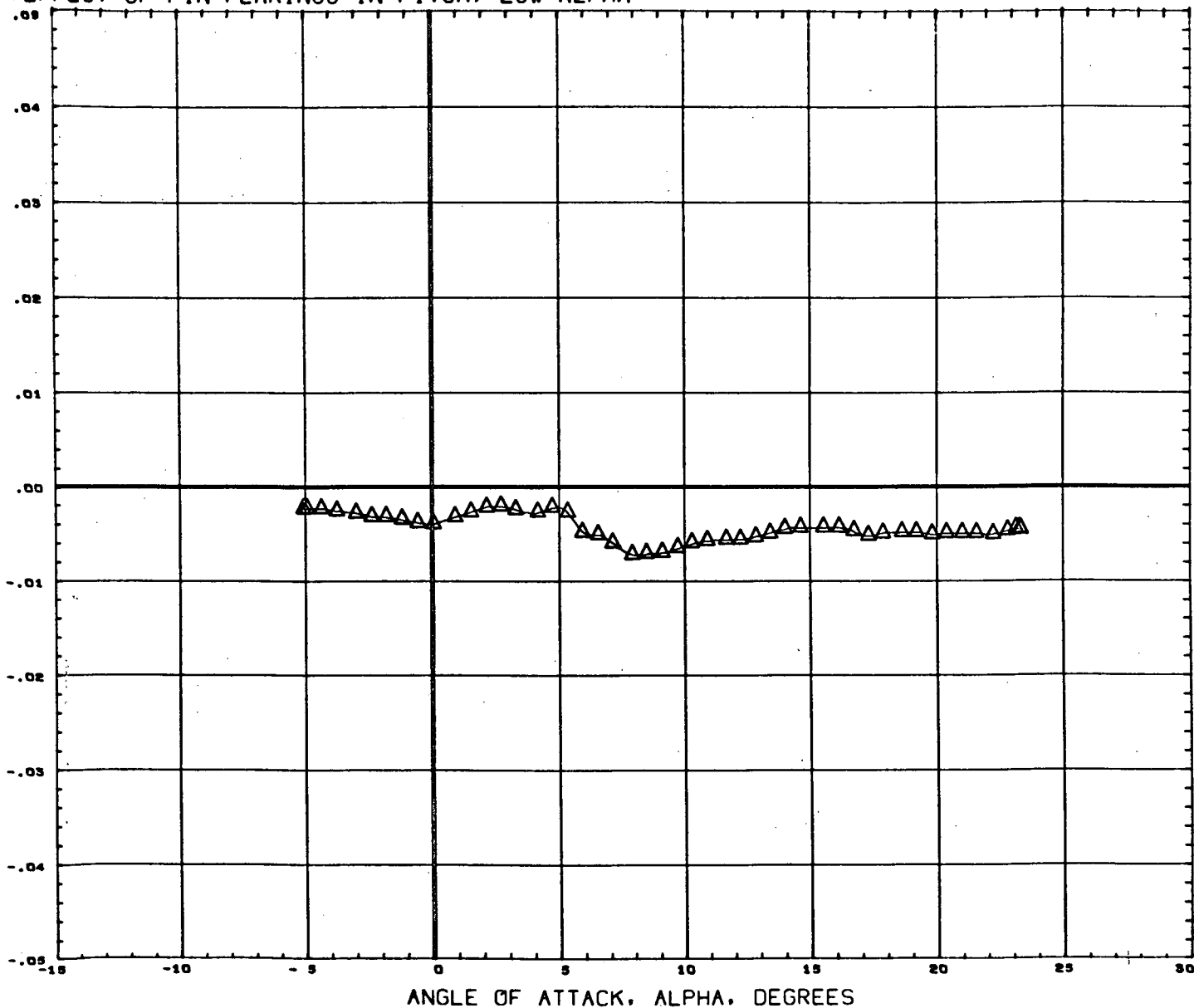
REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (AD8401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (BD8691) BTWT 1262/BSWT 557 PR-FED BRB B9S3V9AF3

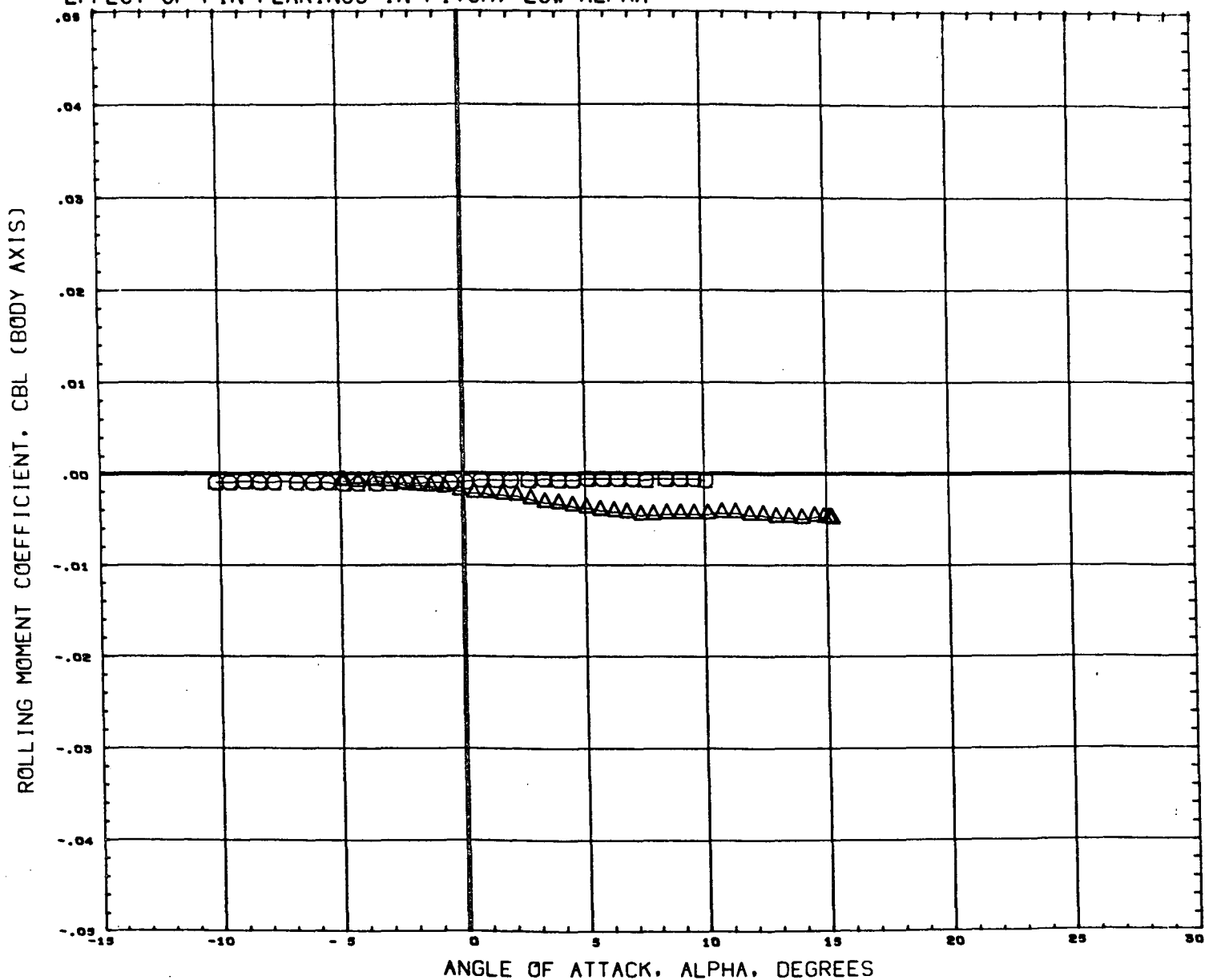
BETA DELTAV  
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 0.000

REFERENCE INFORMATION  
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 BREF 14.6830 INCHES  
 XMRP 0.0000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 2.00

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(AD8401)	BTWT 1282/BSWT 557 PR-FED BRB B553V6	0.000	0.000
(BD8651)	BTWT 1282/BSWT 557 PR-FED BRB B553V9AF3	0.000	0.000

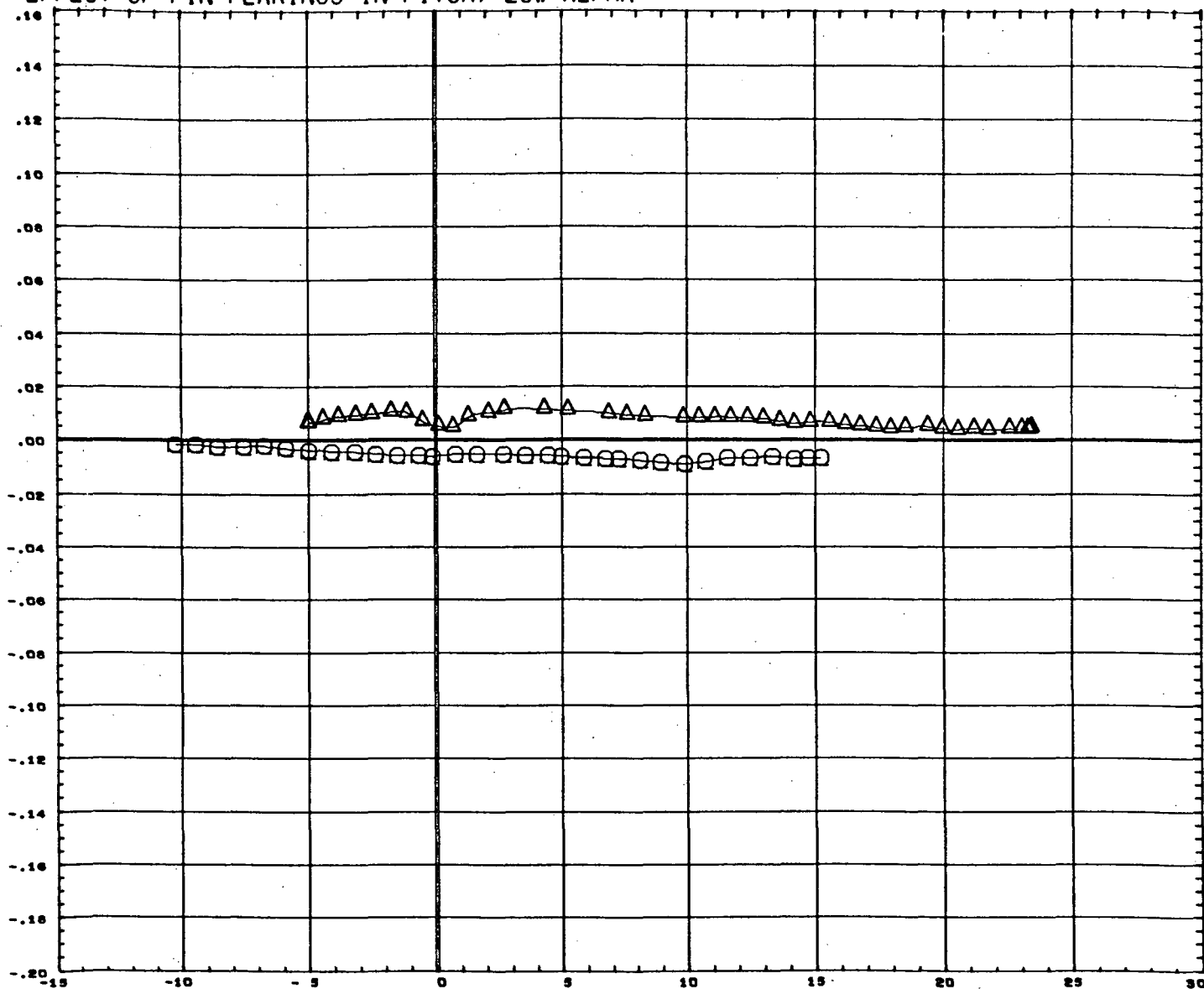
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BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8401)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6
(BD8651)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V9AF3

BETA DELTAV

BETA	DELTAV
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0.000	0.000

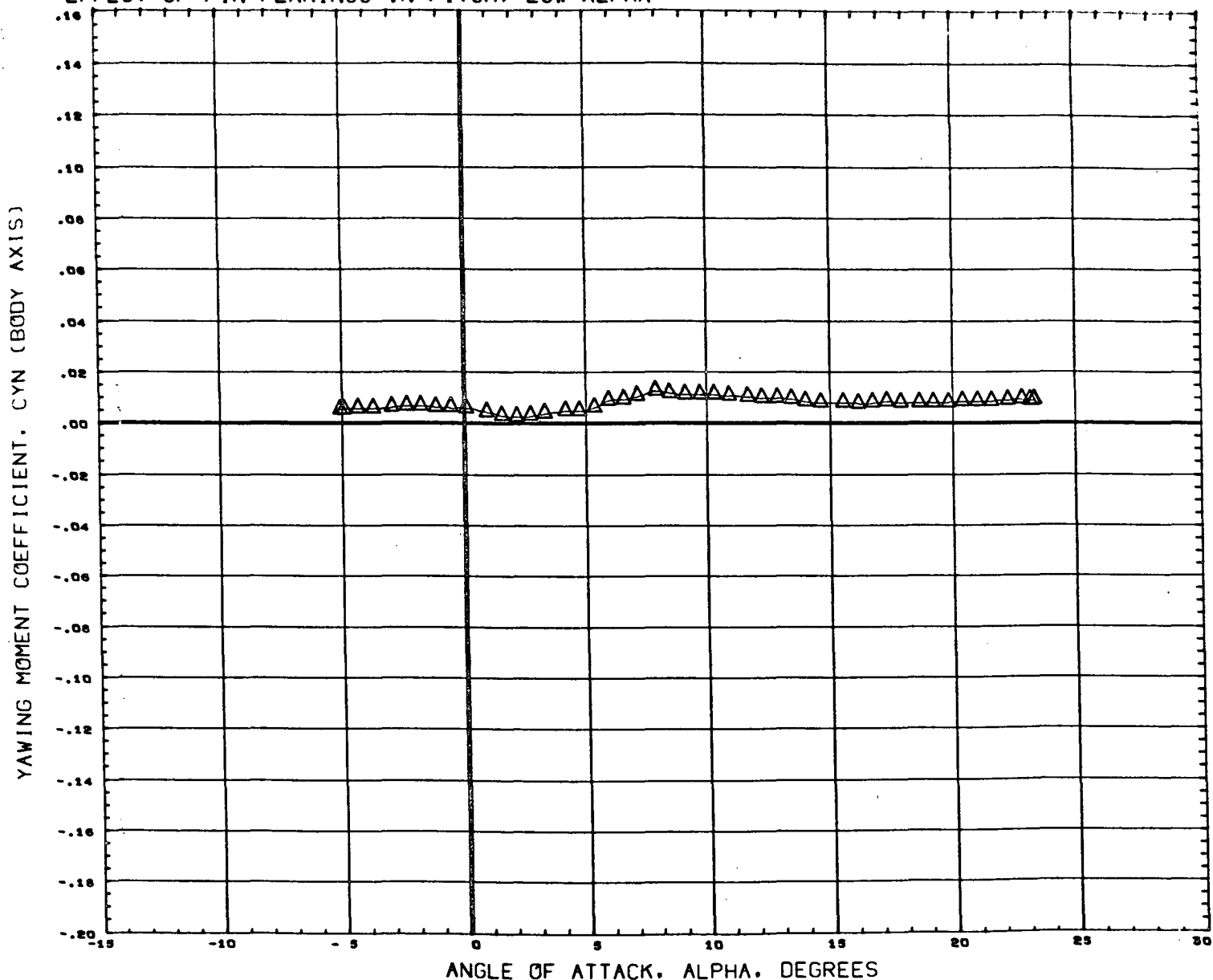
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REFERENCE INFORMATION	VALUE	UNIT
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BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ADR401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (BD0651) BTWT 1202/BSWT 557 PR-FED BRB BSS3V9AF3

BETA DELTAV  
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 0.000

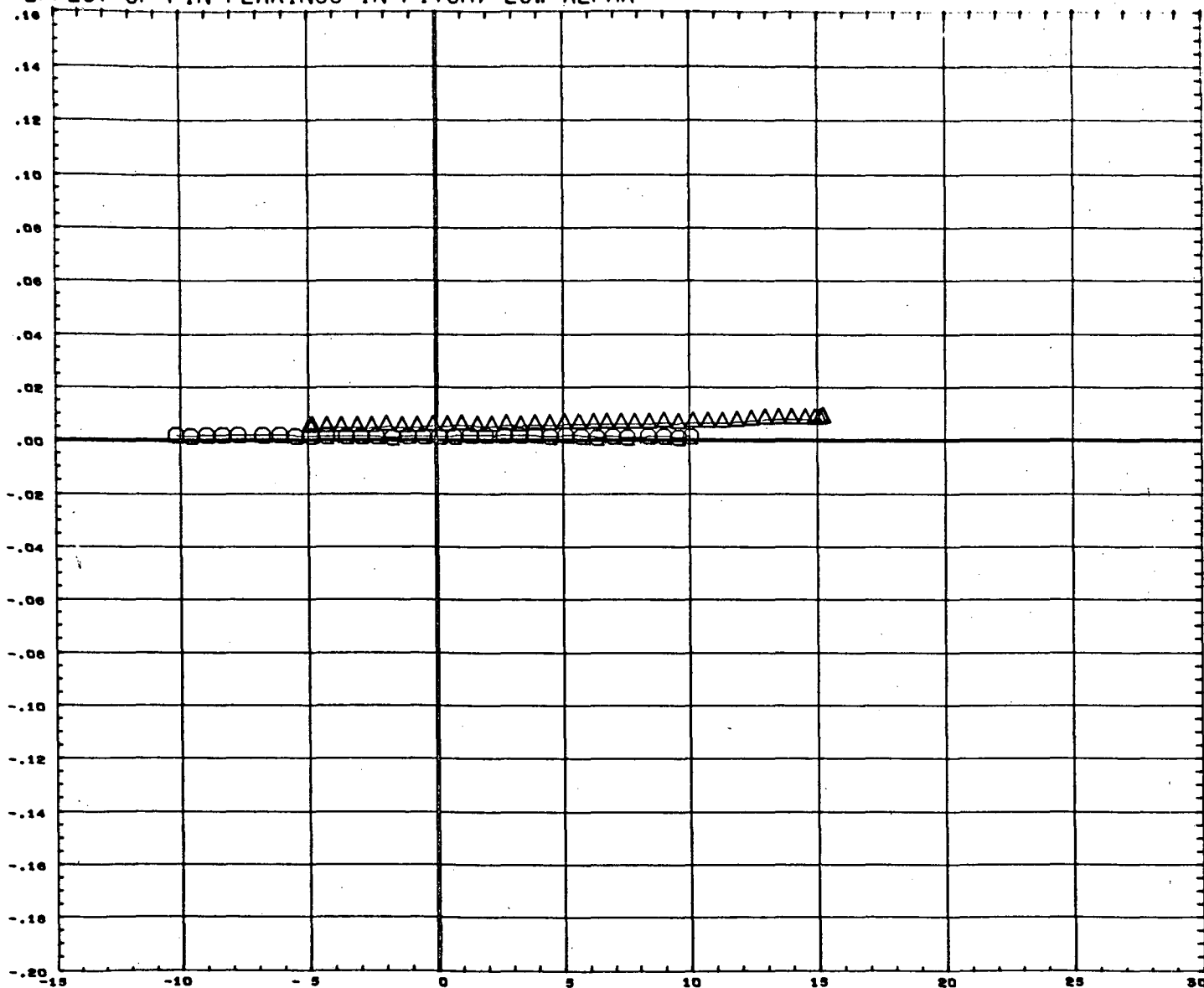
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 XMRP 0.0000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

MACH 2.00

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD6401)	BTWT 1262/BSWT 557	PR-FED BRB	B553V6
(BD6651)	BTWT 1262/BSWT 557	PR-FED BRB	B553V9AF3

BETA DELTAV

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0.000	0.000

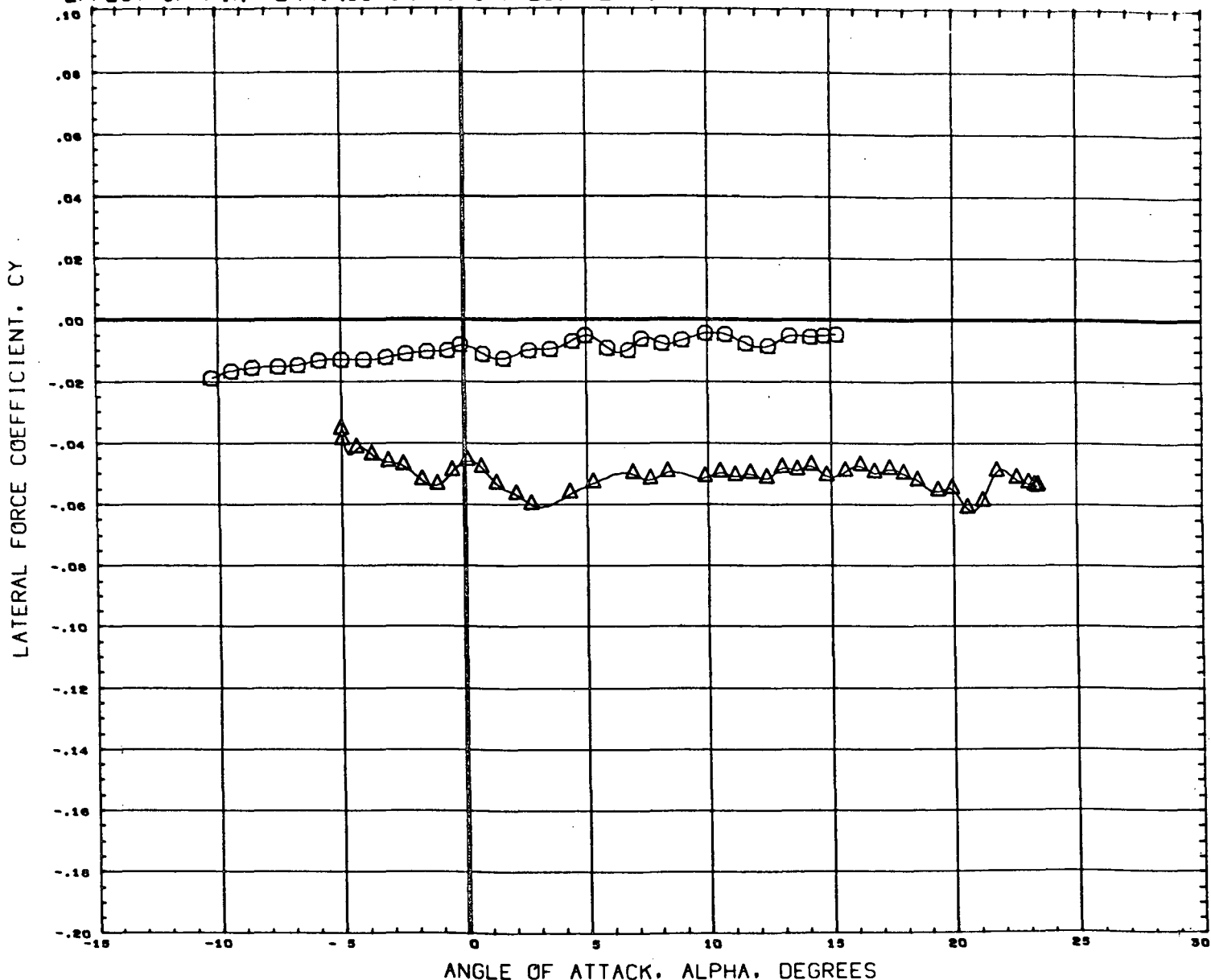
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BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(A08401)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3V6	0.000	0.000	
(B08651)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3V9AF3	0.000		

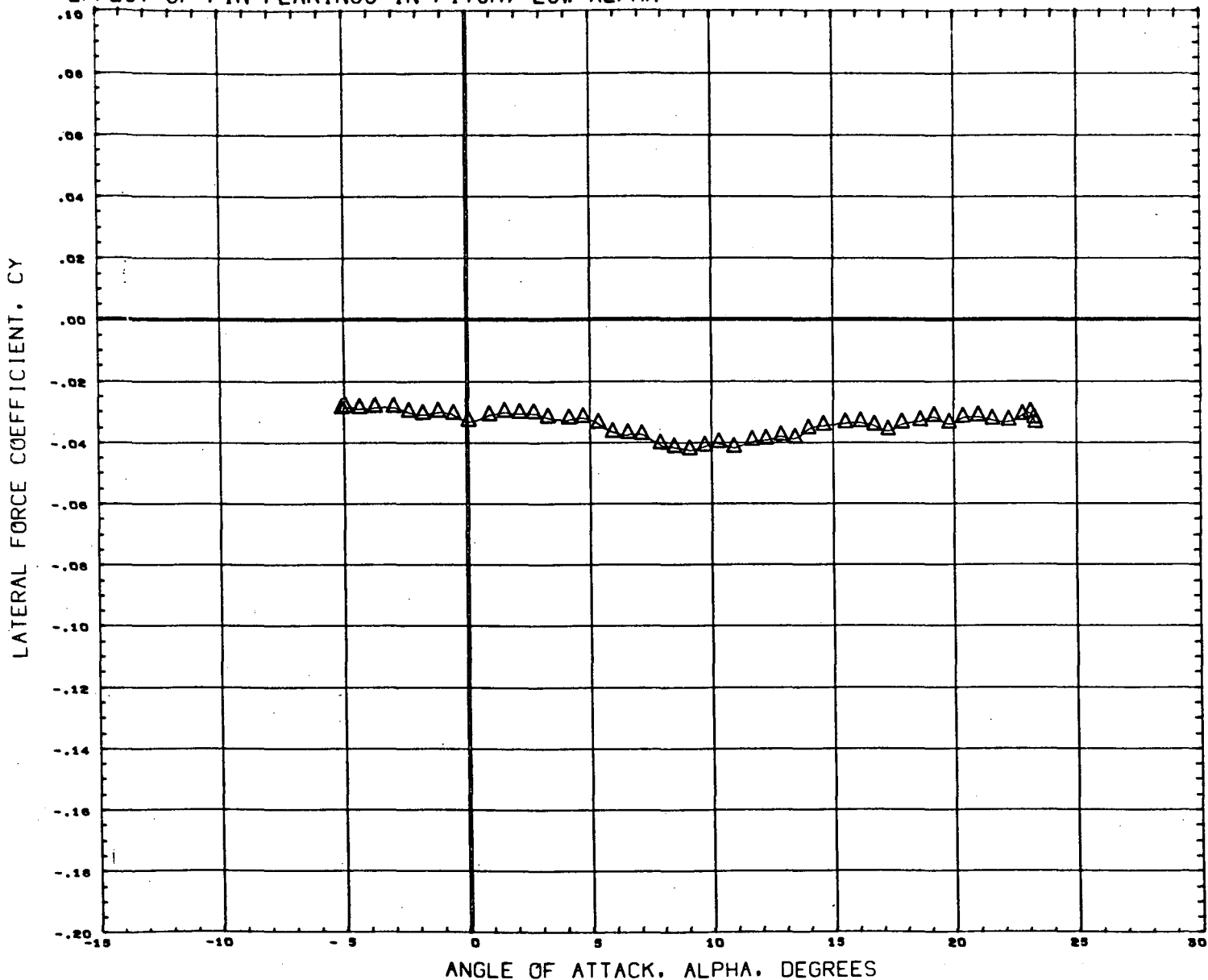
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SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (ADR401)    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (BD6651)    BTWT 1282/BSWT 557    PR-FED BRB    B553V9AF3

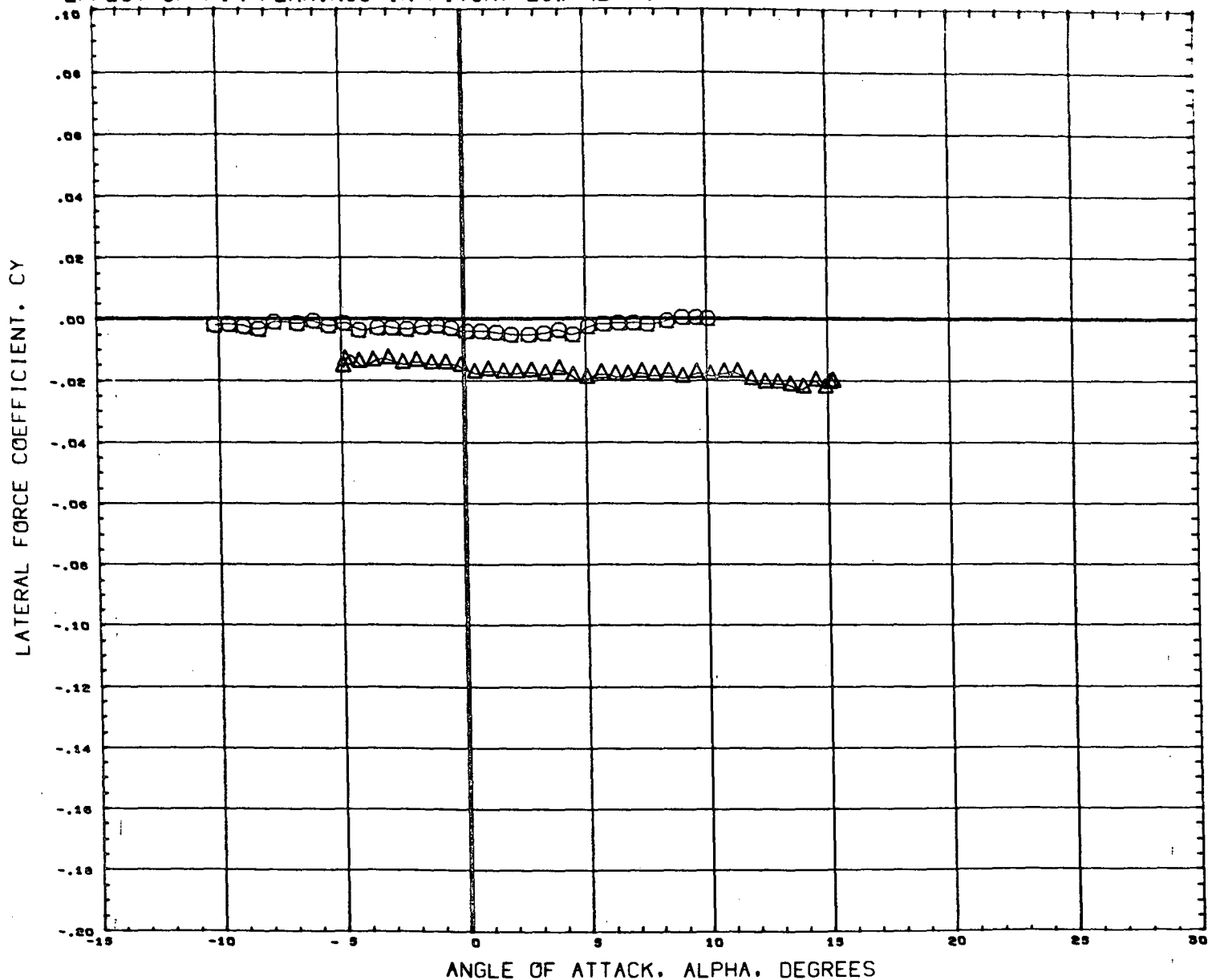
BETA    DELTAV  
 0.000    0.000  
 0.000    0.000

REFERENCE INFORMATION  
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 LREF    14.6630    INCHES  
 BRP    14.6630    INCHES  
 XMPP    0.6000    LBODY  
 YMRP    0.0000    INCHES  
 ZMRP    0.0000    INCHES  
 SCALE    0.8899    PERCENT

MACH    2.00

PAGE    469

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



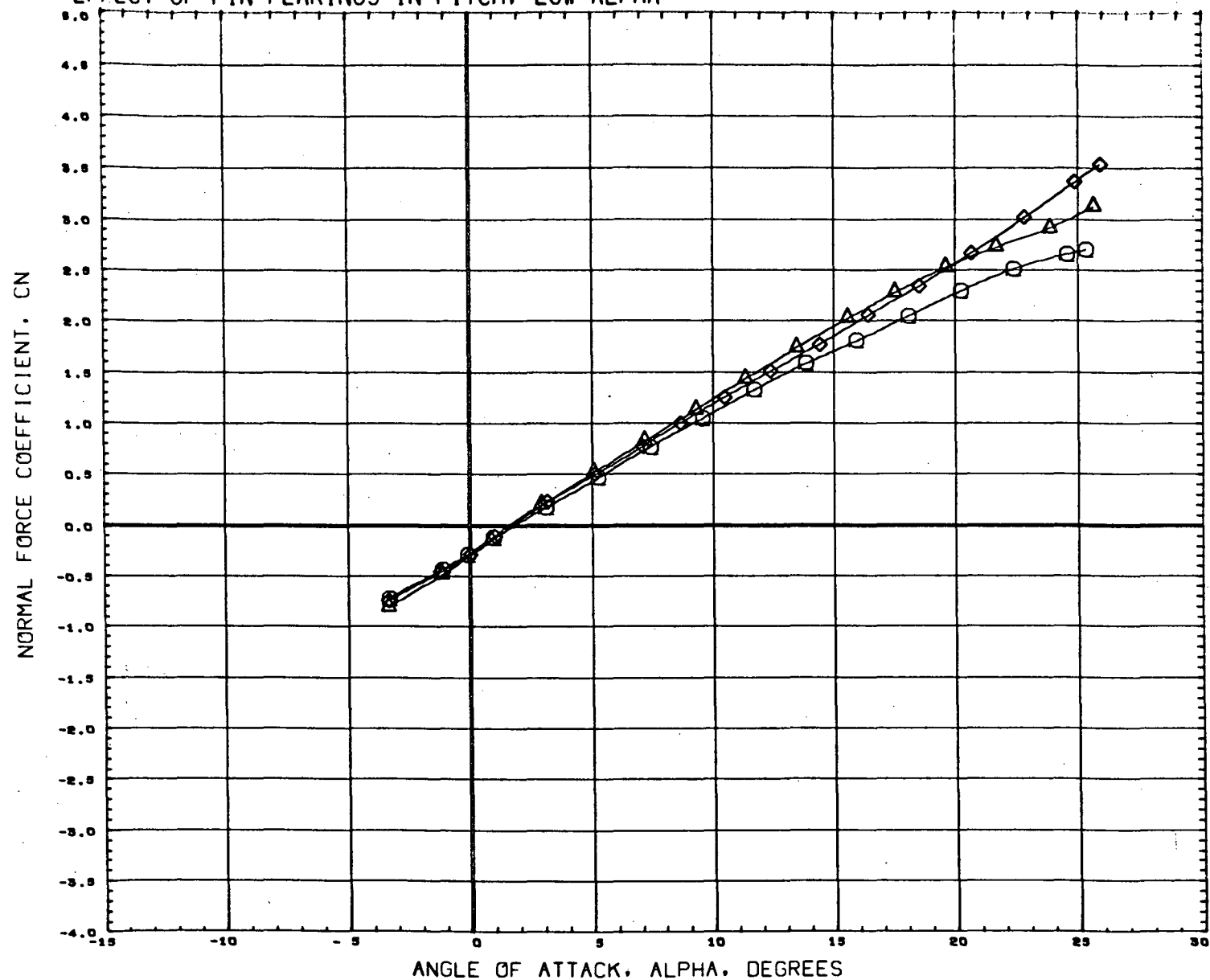
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(AD6401)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V6	0.000	0.000
(BD6691)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V9AF3	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



SYMBOL MACH BETA PARAMETRIC VALUES

○ 0.601 0.000

△ 0.900 0.000

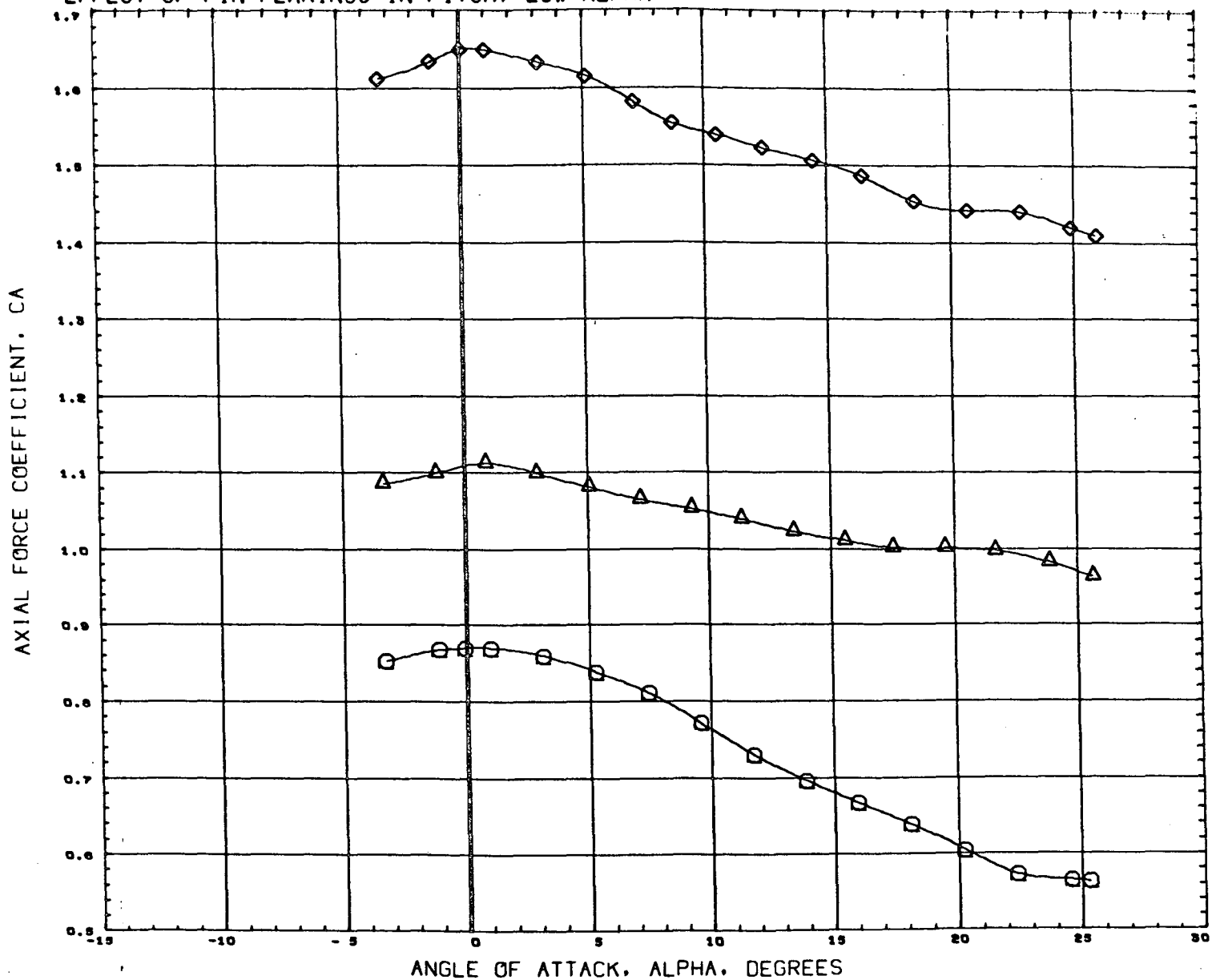
◇ 1.049 0.000

DATA HIST. CODE \*G\*A

REFERENCE INFORMATION

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BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



SYMBOL    MACH    BETA    PARAMETRIC VALUES  
 ○        0.601    0.000  
 △        0.900  
 ◇        1.049

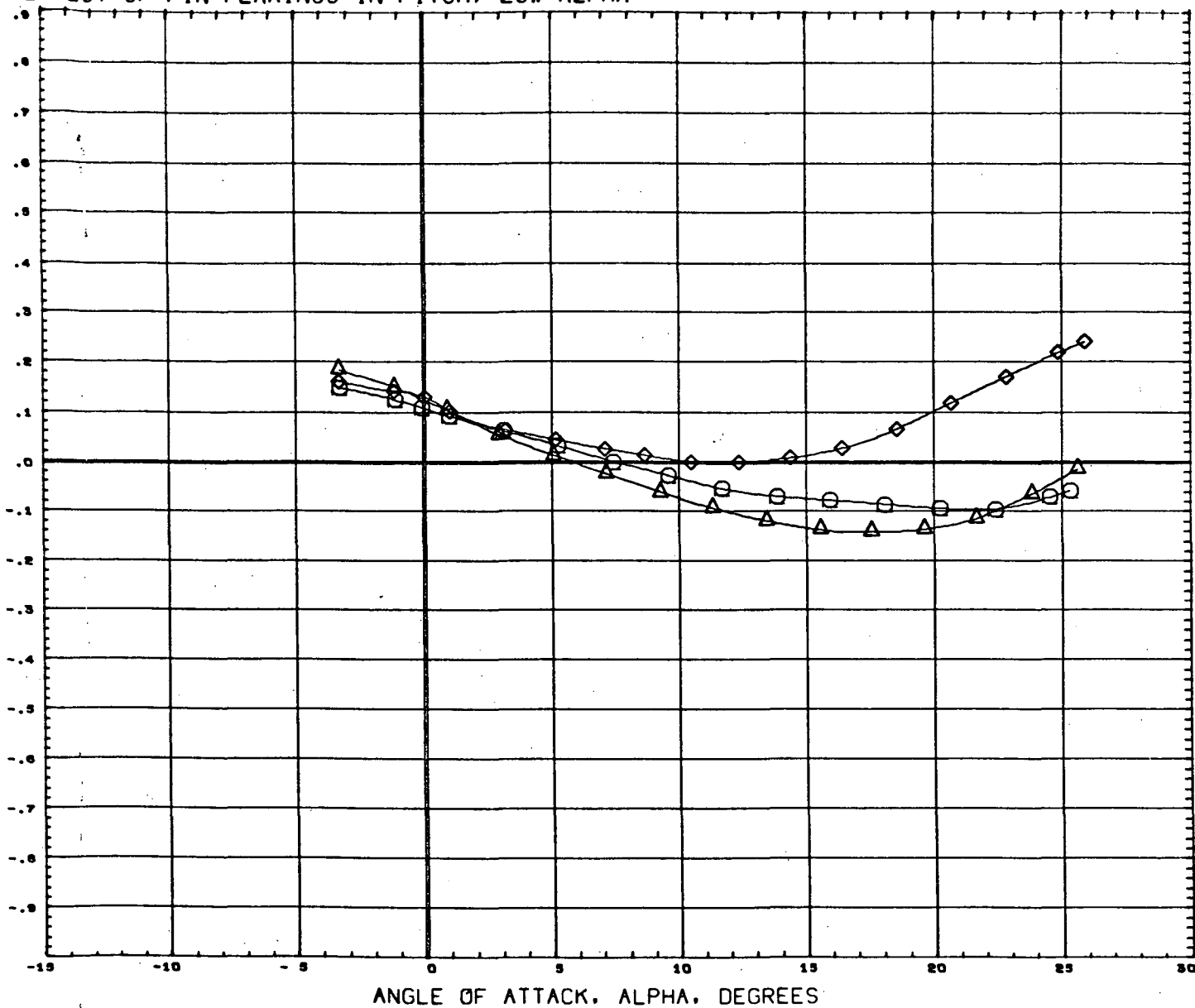
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YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

DATA HIST. CODE    \*G+A

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

PITCHING MOMENT COEFFICIENT, CLM

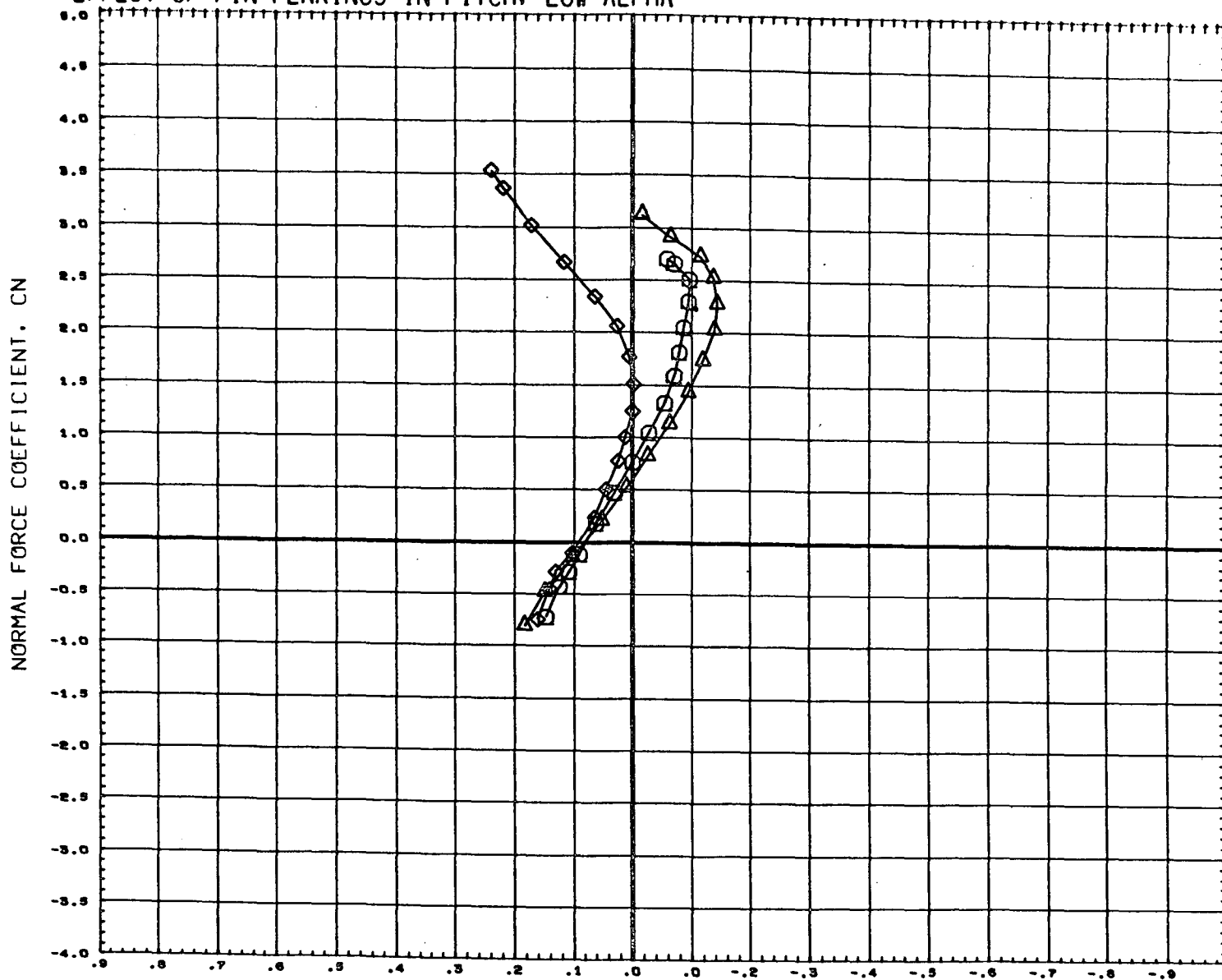


SYMBOL MACH BETA PARAMETRIC VALUES  
 ○ 0.601  
 △ 0.900  
 ◇ 1.049

DATA HIST. CODE \*G\*A

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6630 INCHES  
 BREF 14.6630 INCHES  
 XMRP 0.6000 LBODY  
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 ZMRP 0.0000 INCHES  
 SCALE 0.8699 PERCENT

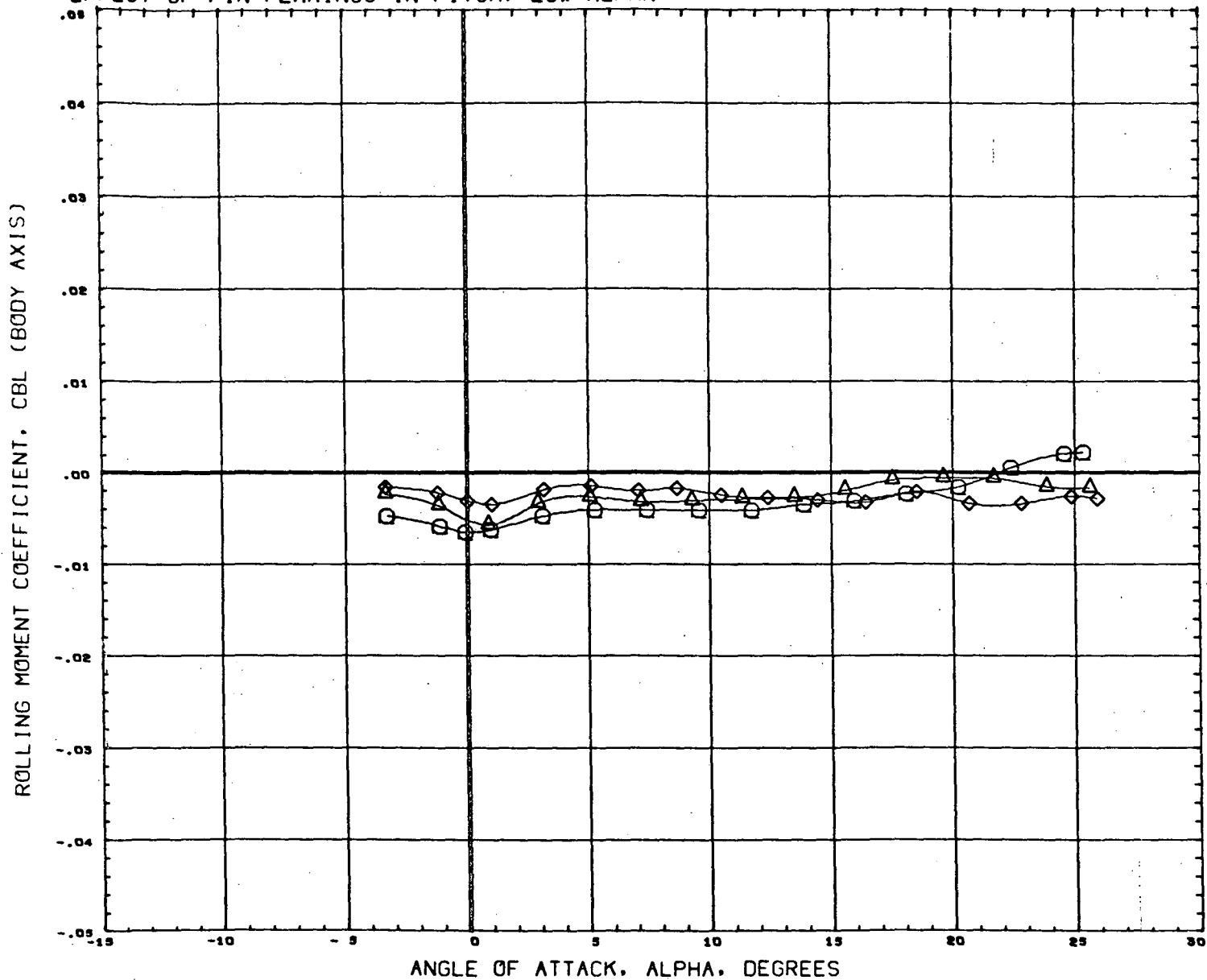
# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



SYMBOL	MACH	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
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△	0.900			LREF 14.6830 INCHES
◇	1.049			BREF 14.6830 INCHES
				XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
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				SCALE 0.8899 PERCENT

DATA HIST. CODE 060A

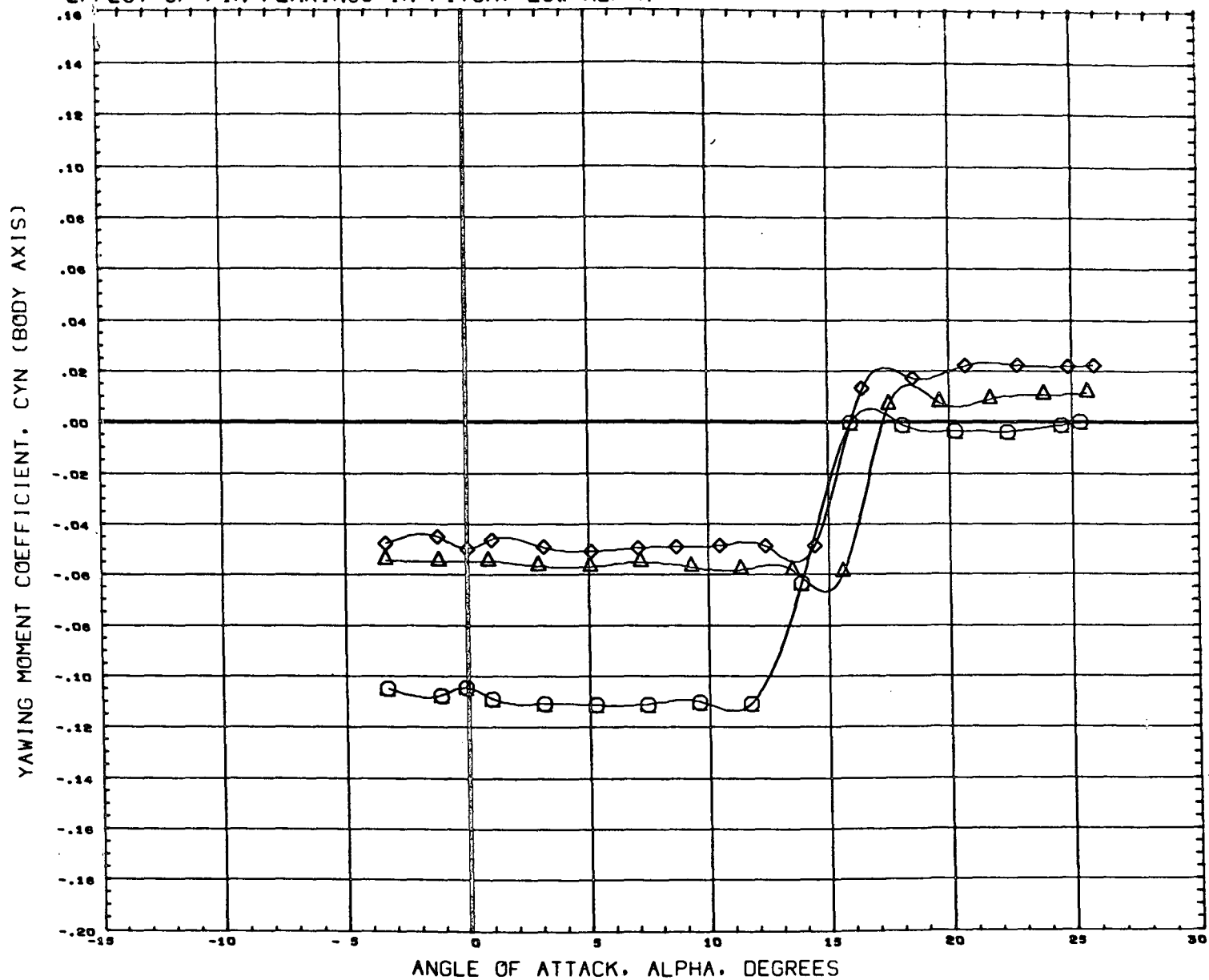
# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



PARAMETRIC VALUES			REFERENCE INFORMATION		
SYMBOL	MACH	BETA	SREF	9.7500	50. IN.
○	0.601		LREF	14.6630	INCHES
△	0.900		BREF	14.6630	INCHES
◇	1.049		XMRP	0.0000	LBODY
			YMRP	0.0000	INCHES
			ZMRP	0.0000	INCHES
			SCALE	0.8899	PERCENT

DATA HIST. CODE 464A

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



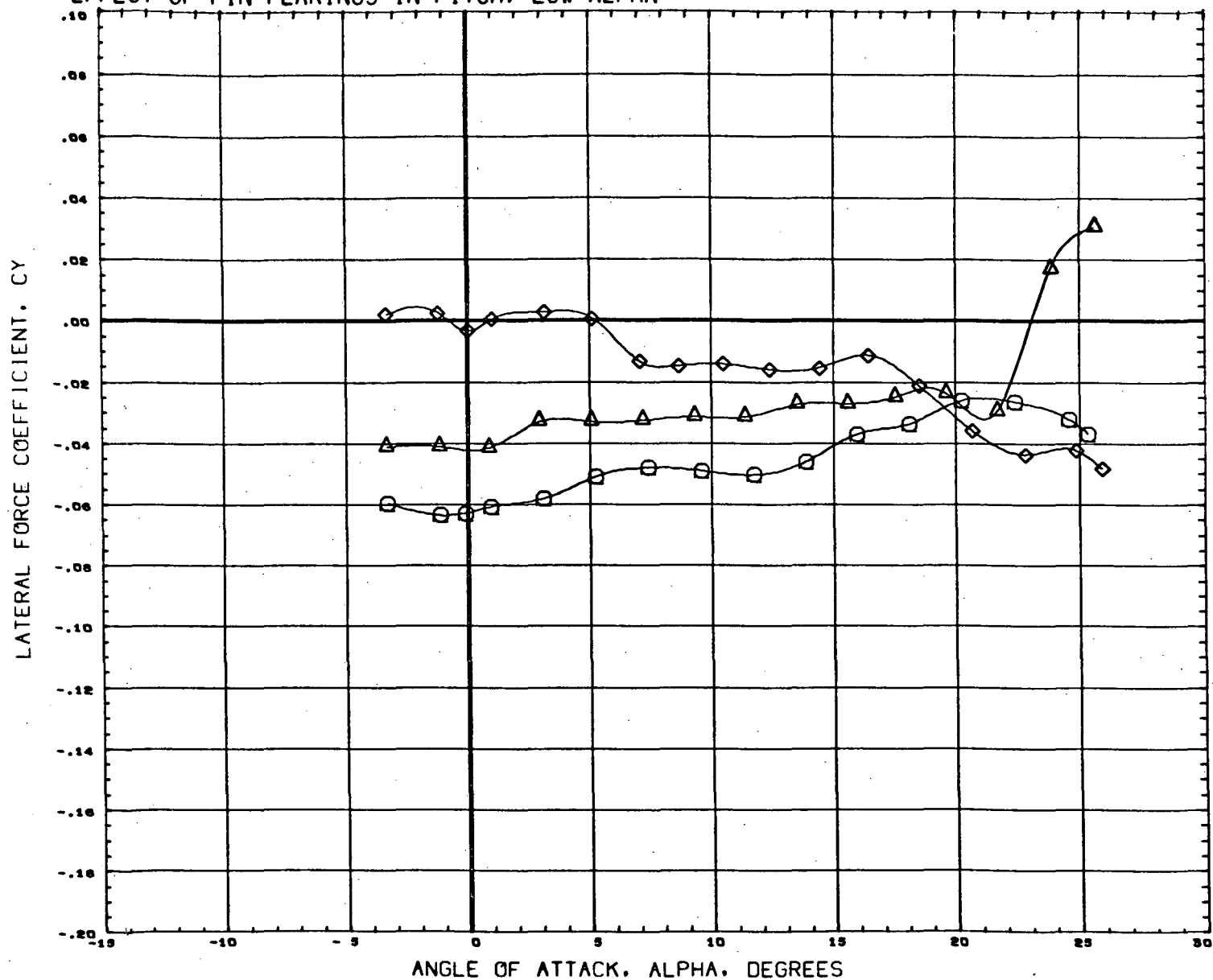
SYMBOL    MACH    BETA    PARAMETRIC VALUES  
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 △        0.900  
 ◇        1.049

REFERENCE INFORMATION  
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 LREF    14.6830    INCHES  
 BREF    14.6830    INCHES  
 XMRP    0.6000    LBODY  
 YMRP    0.0000    INCHES  
 ZMRP    0.0000    INCHES  
 SCALE    0.8699    PERCENT

DATA HIST. CODE    \*G2A



# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



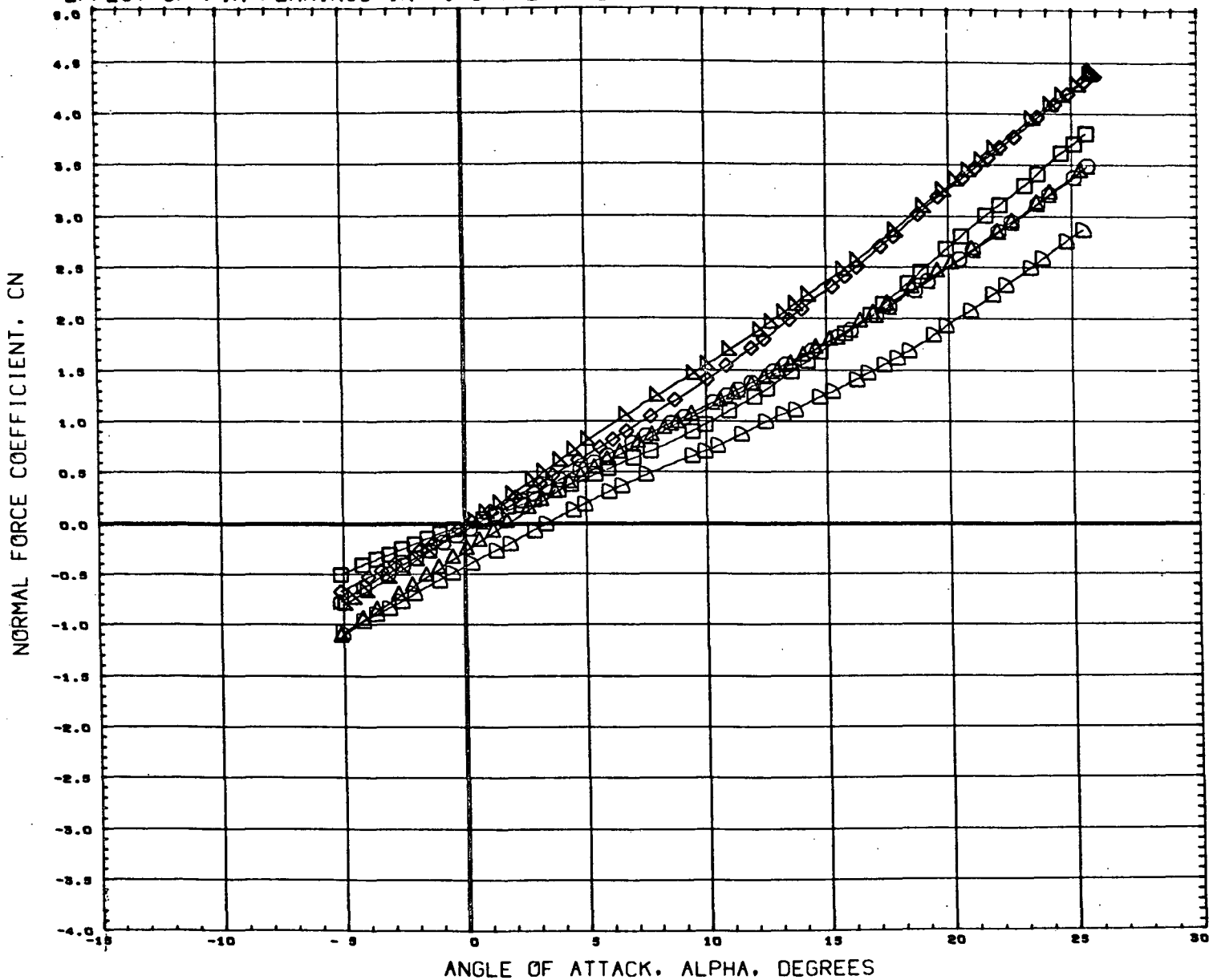
SYMBOL    MACH    BETA    PARAMETRIC VALUES  
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 △        0.900  
 ◇        1.049

REFERENCE INFORMATION

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BREF	14.6630	INCHES
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YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6699	PERCENT

DATA HIST. CODE    \*G\*A

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD8831)	BTWT 1262/BSWT 557	PR-FED BRB	B5S2V3.2
(RD8842)	BTWT 1262/BSWT 557	PR-FED BRB	B5S2V3.2F1
(RD8801)	BTWT 1262/BSWT 557	PR-FED BRB	B5S2V3
(RD8811)	BTWT 1262/BSWT 557	PR-FED BRB	B5S2V3F2.1
(RD8821)	BTWT 1262/BSWT 557	PR-FED BRB	B5S2V3F1
(RD8851)	BTWT 1262/BSWT 557	PR-FED BRB	B5S2V3.3F1

BETA DELTAV

0.000
0.000
0.000
0.000
0.000
0.000

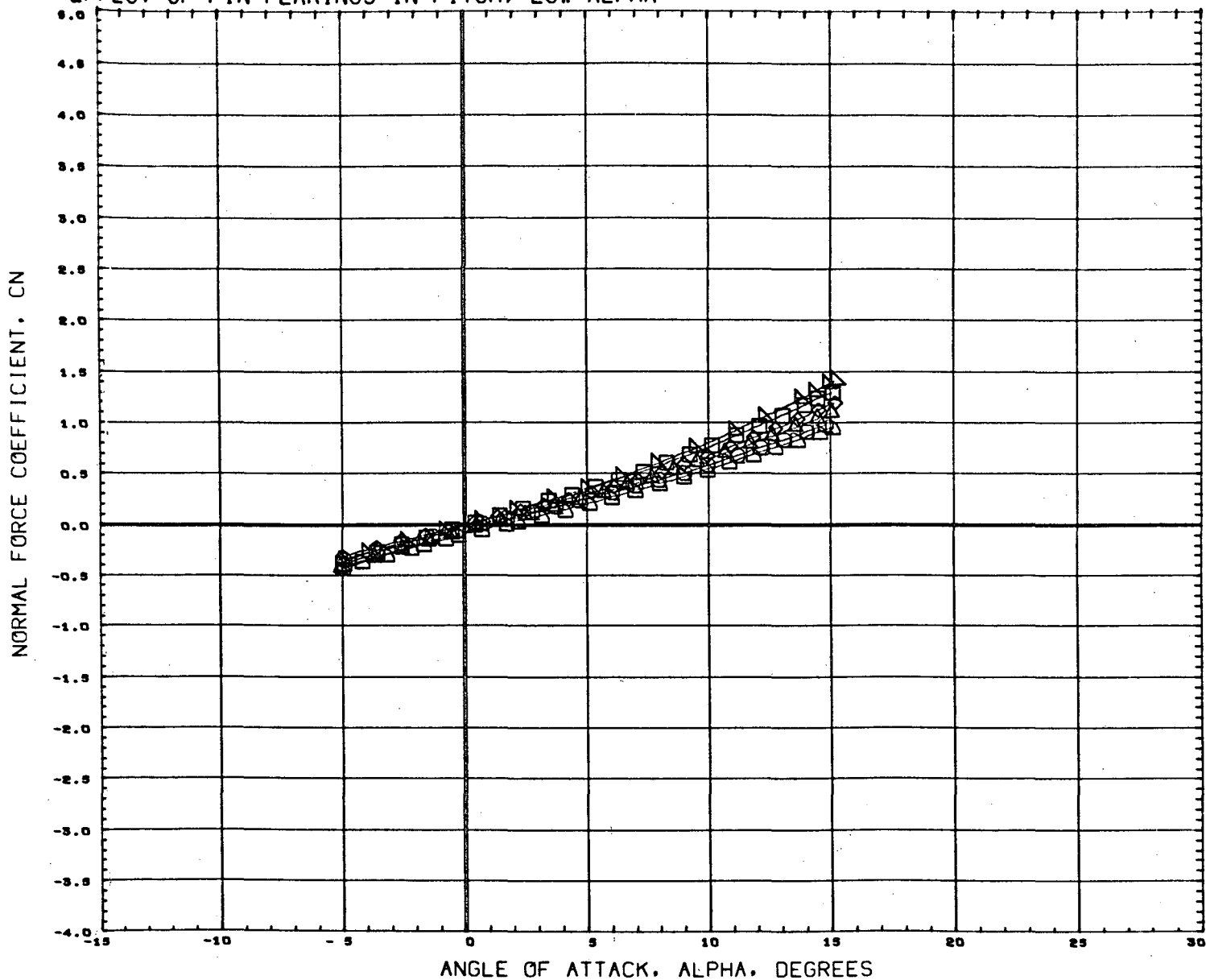
REFERENCE INFORMATION

SREF	9.7500	sq. in.
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BREF	14.6830	INCHES
XMRP	0.6000	LB/OY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCNT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

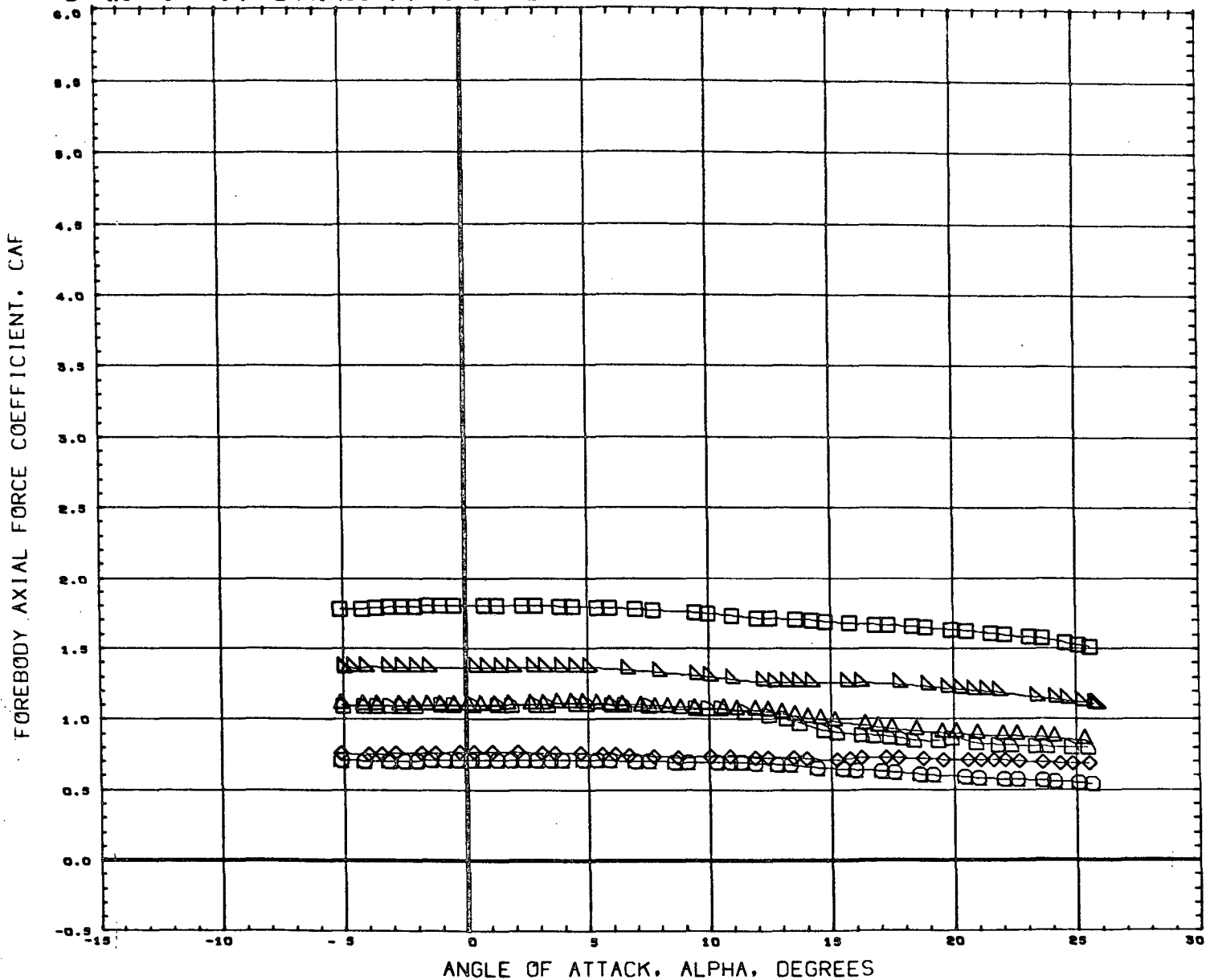


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION		
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(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF	14.6830	INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF	14.6830	INCHES
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP	0.0000	LBODY
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP	0.0000	INCHES
(RD8851)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP	0.0000	INCHES
				SCALE	0.6899	PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000	
(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000	
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000	
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000	
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000	
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000	

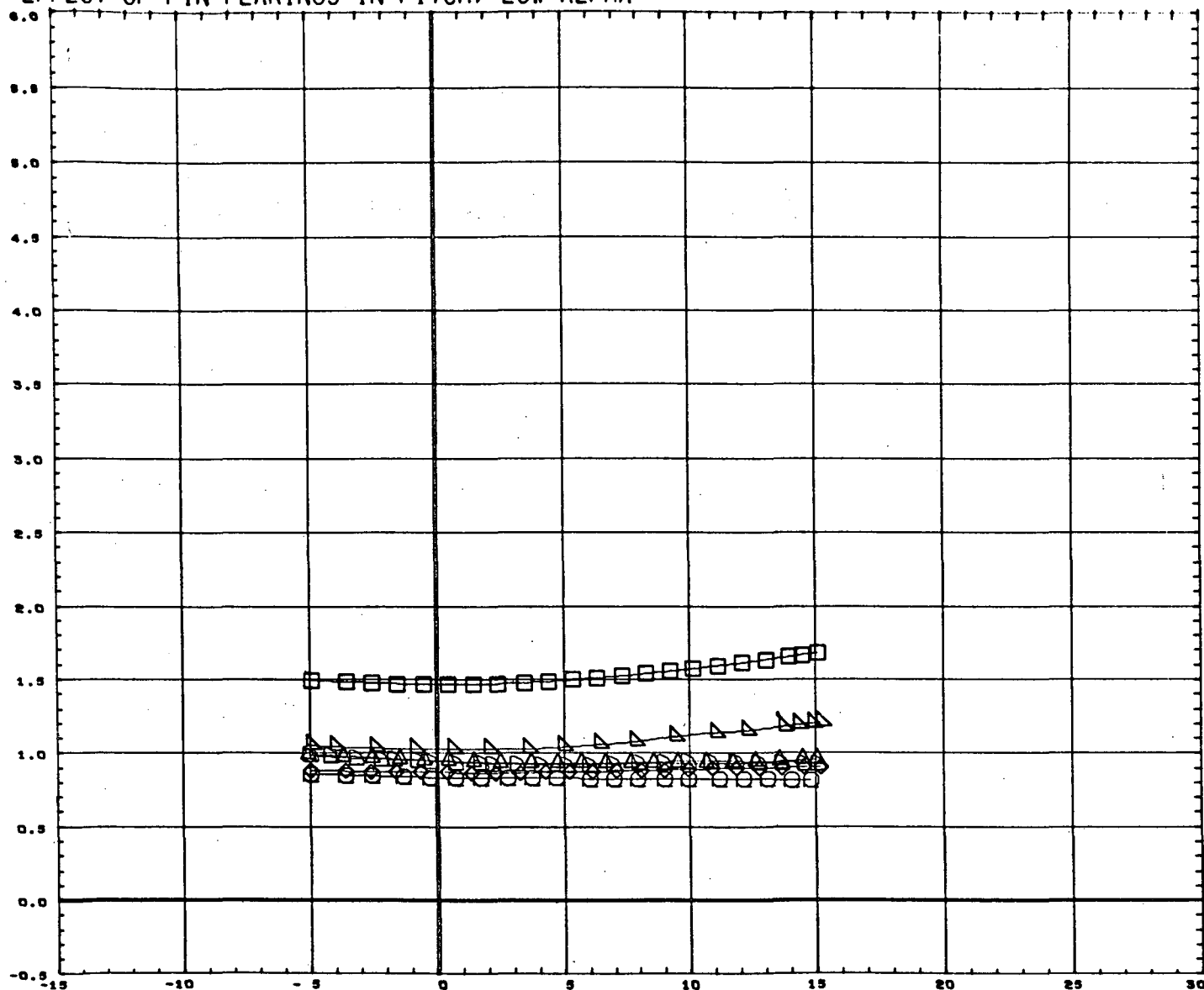
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000	
(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000	
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000	
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000	
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000	
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000	

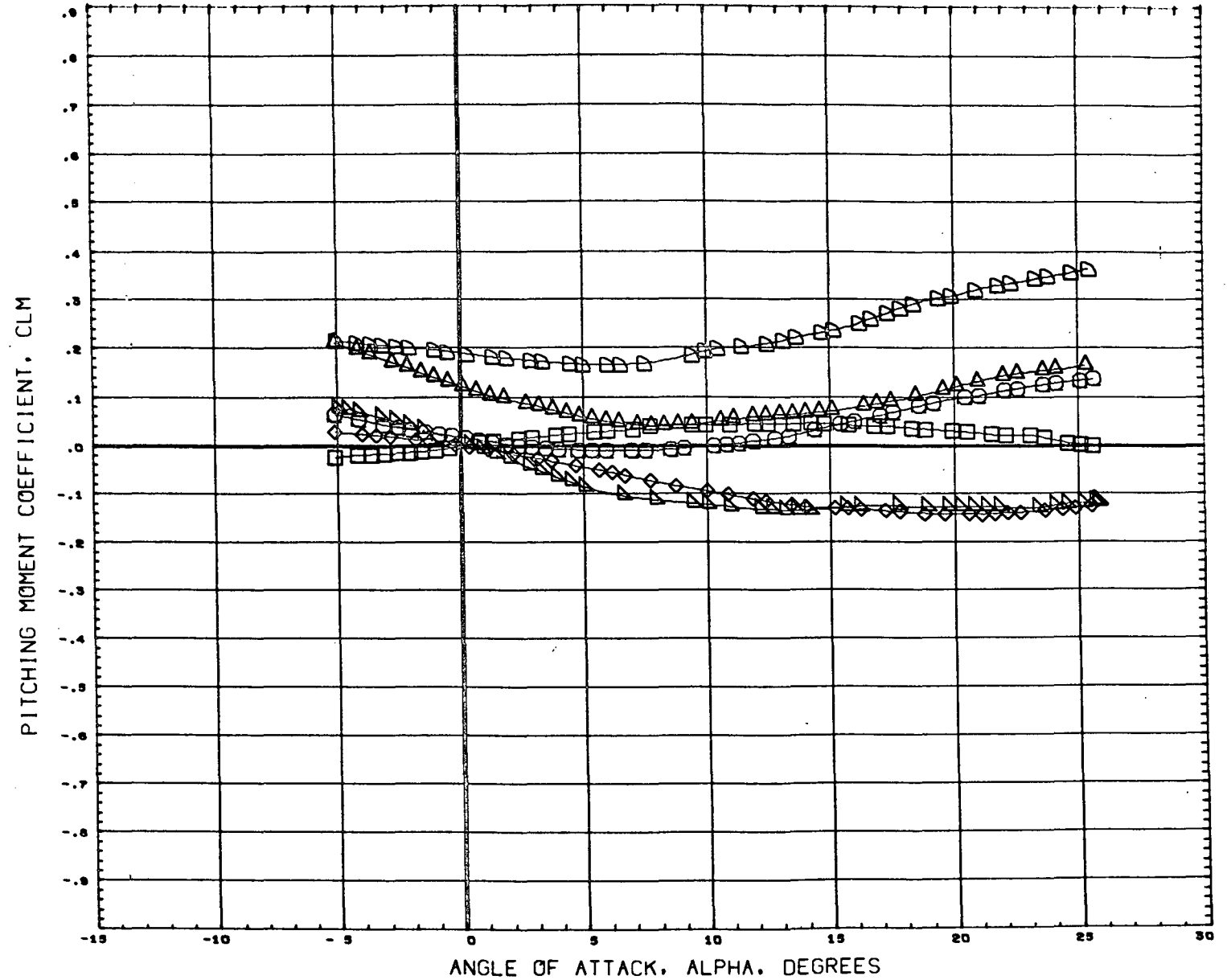
REFERENCE INFORMATION

SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

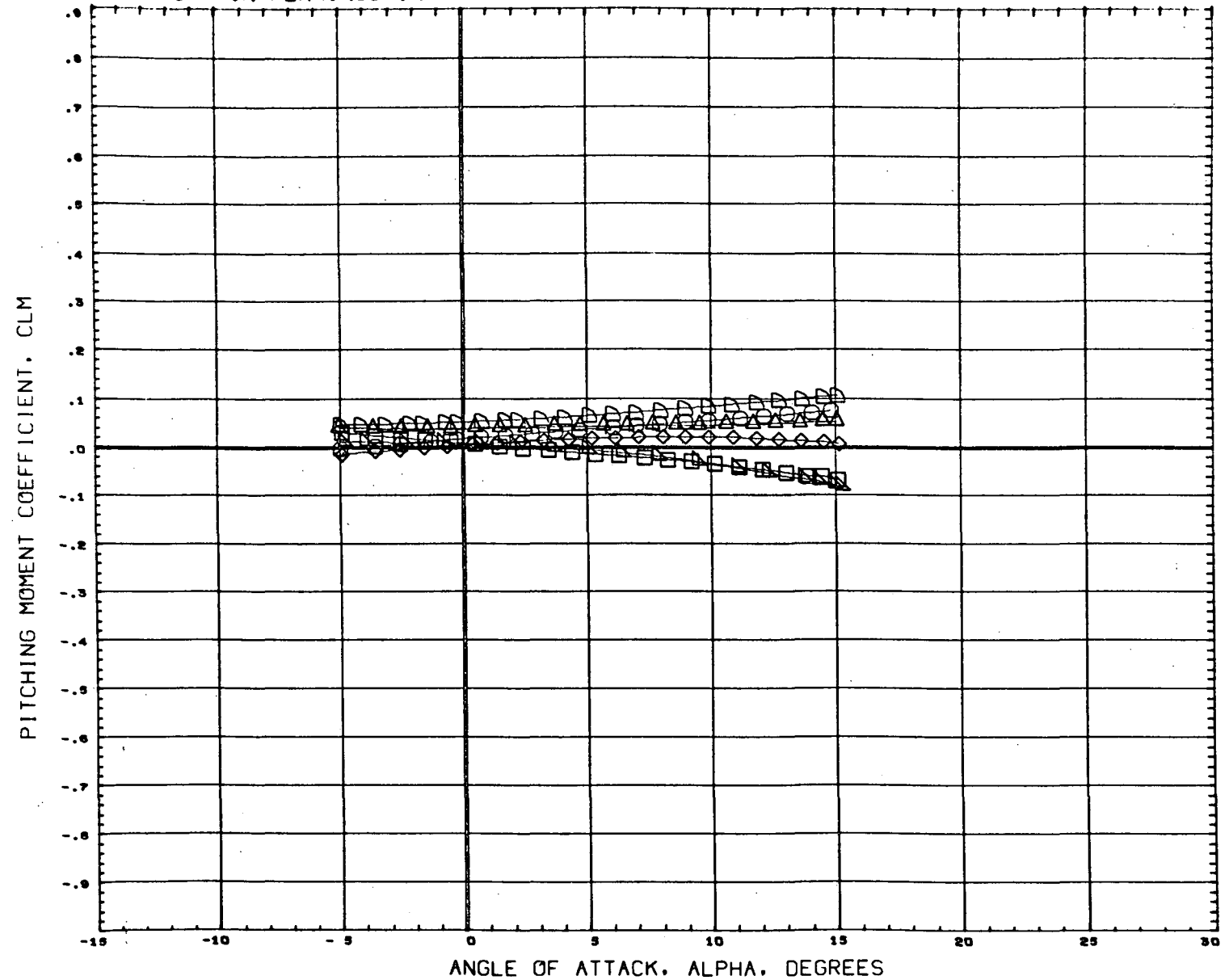


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(R08831)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF 9.7500 SQ. IN.
(R08842)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF 14.6830 INCHES
(R08801)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF 14.6830 INCHES
(R08811)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP 0.6000 LBODY
(R08821)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP 0.0000 INCHES
(R08851)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP 0.0000 INCHES
				SCALE 0.6699 PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

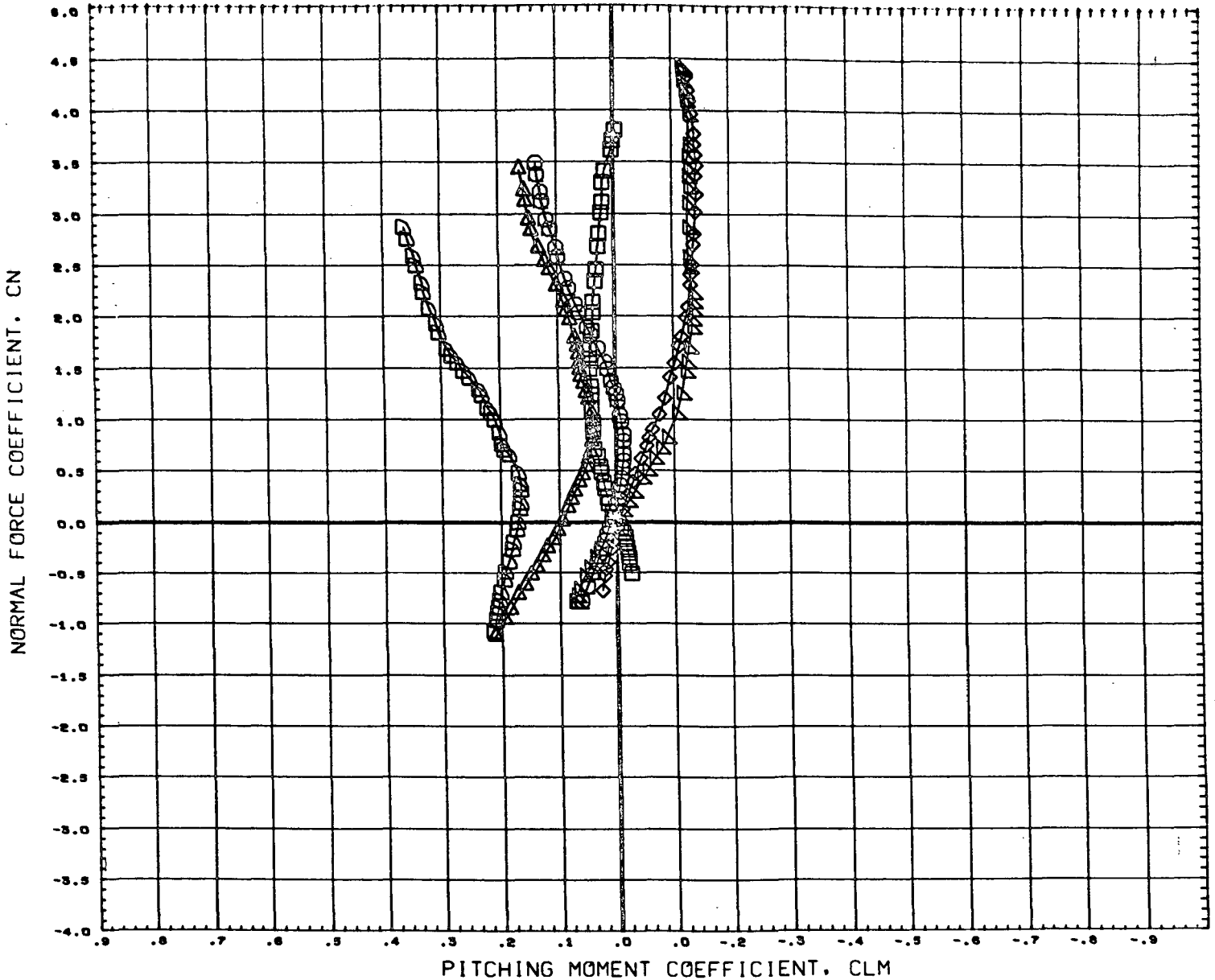


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(RD8831)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF 9.7500 SQ. IN.
(RD8842)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF 14.6830 INCHES
(RD8801)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF 14.6830 INCHES
(RD8811)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP 0.0000 LBQDY
(RD8821)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP 0.0000 INCHES
(RD8851)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP 0.0000 INCHES
				SCALE 0.6699 PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



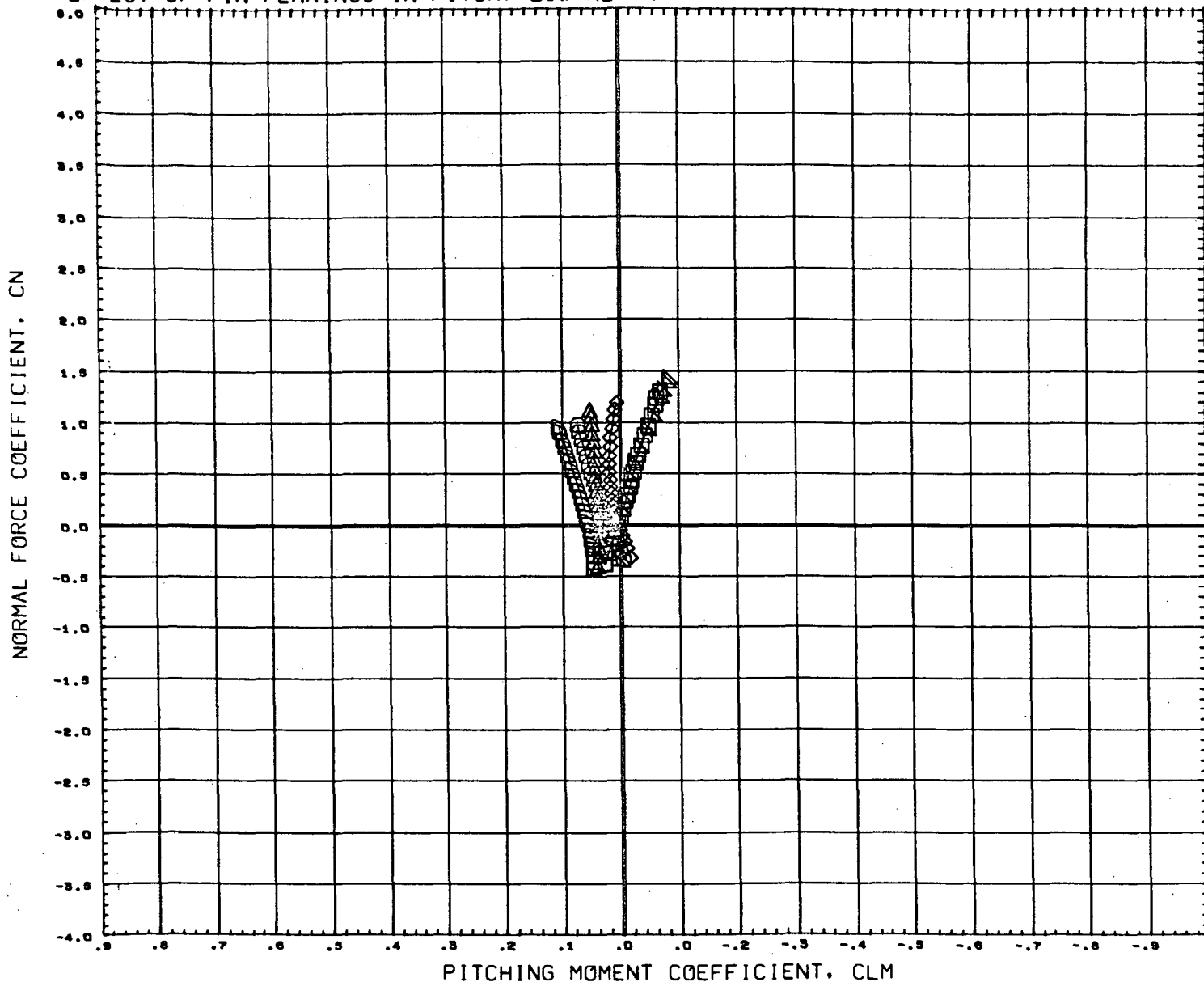
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF	9.7900 SQ. IN.
(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF	14.6830 INCHES
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP	0.6000 LBODY
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP	0.0000 INCHES
(RD8851)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8889 PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

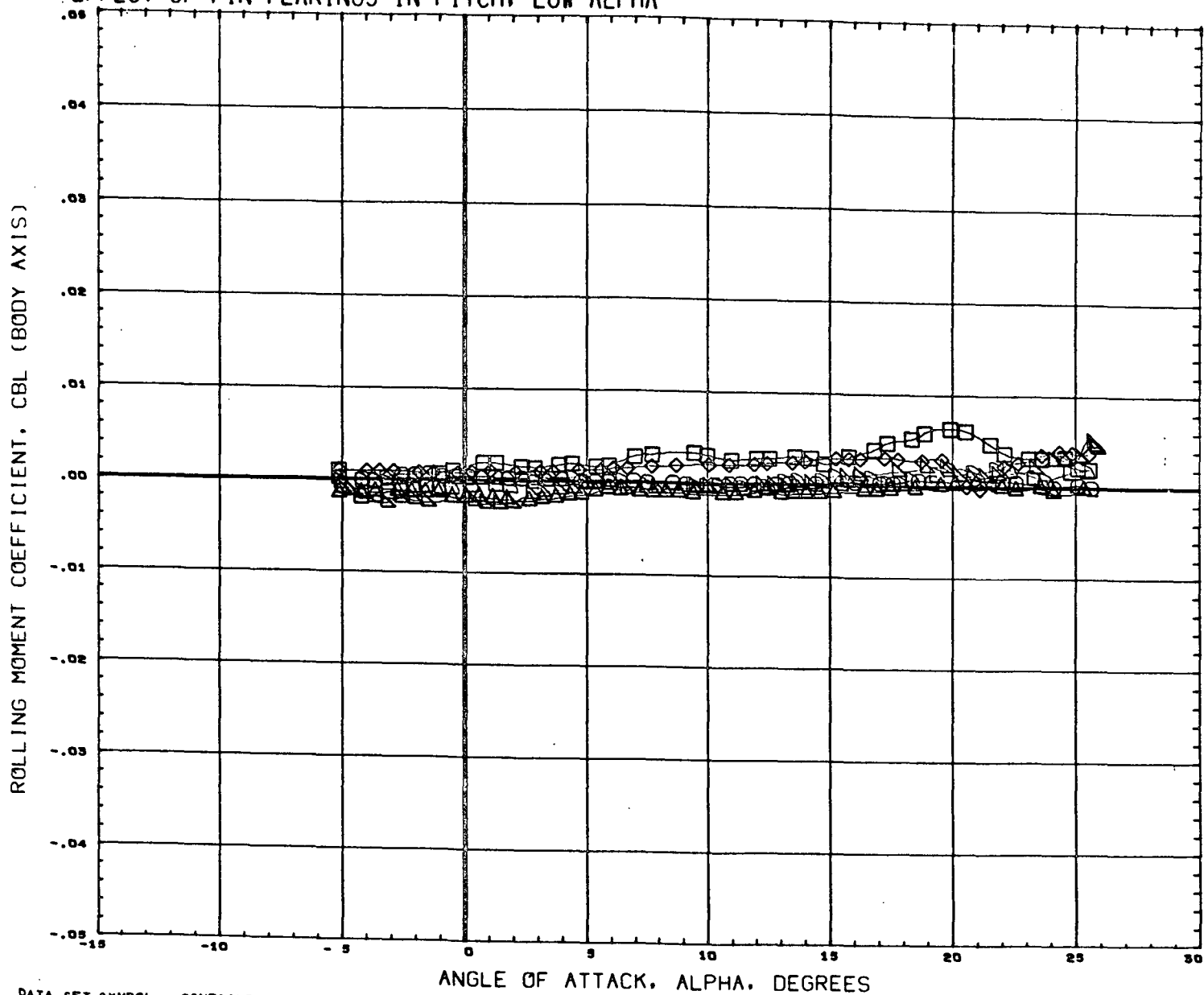


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF	9.7500 SQ. IN.
(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF	14.6830 INCHES
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP	0.0000 LBODY
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP	0.0000 INCHES
(RD8851)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

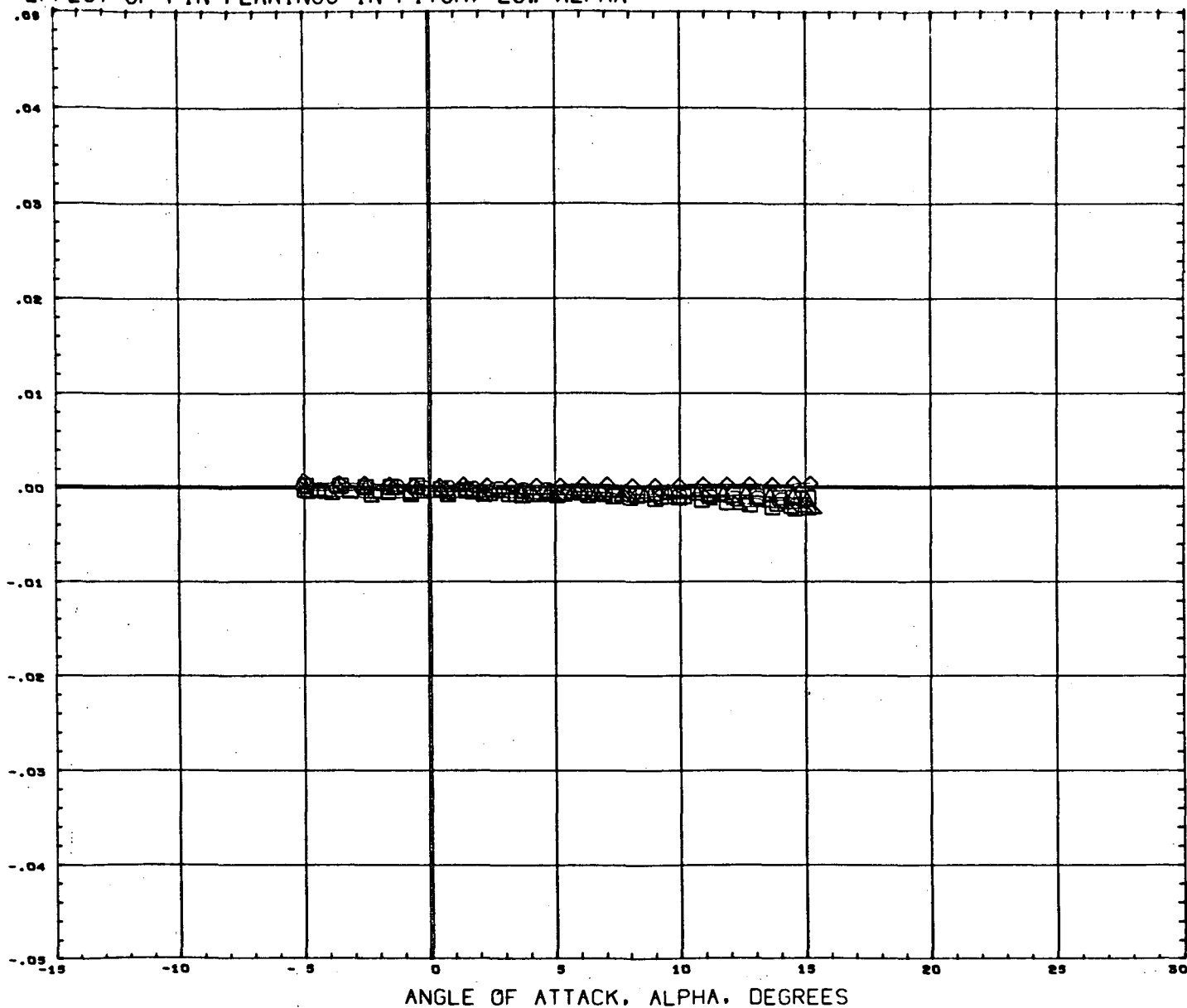


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD8831)	BTWT 1262/BSWT 557 PR-FED BRB BSS2V3.2	0.000		SREF	9.7500 SQ. IN.
(RD8842)	BTWT 1262/BSWT 557 PR-FED BRB BSS2V3.2F1	0.000		LREF	14.6630 INCHES
(RD8801)	BTWT 1262/BSWT 557 PR-FED BRB BSS2V3	0.000		BREF	14.6630 INCHES
(RD8811)	BTWT 1262/BSWT 557 PR-FED BRB BSS2V3F2.1	0.000		XMRP	0.6000 LBODY
(RD8821)	BTWT 1262/BSWT 557 PR-FED BRB BSS2V3F1	0.000		YMRP	0.0000 INCHES
(RD8851)	BTWT 1262/BSWT 557 PR-FED BRB BSS2V3.3F1	0.000		ZMRP	0.0000 INCHES
				SCALE	0.6699 PERCENT

MACH 1.40

# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

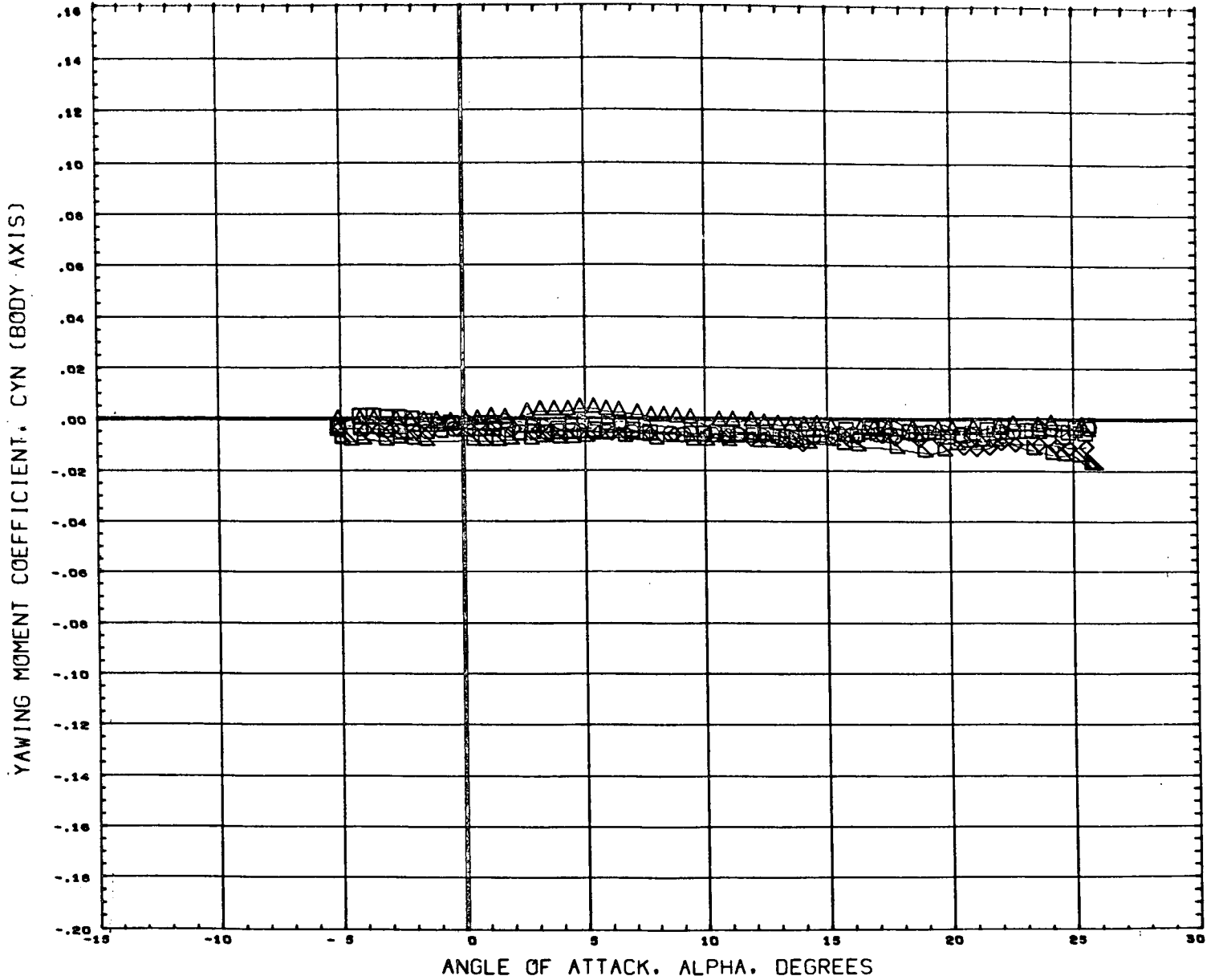


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(RD6631)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF 9.7500 SQ. IN.
(RD6642)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF 14.6630 INCHES
(RD6601)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF 14.6630 INCHES
(RD6611)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRF 0.6000 LBODY
(RD6621)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRF 0.0000 INCHES
(RD6631)	BTWT 1262/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRF 0.0000 INCHES
				SCALE 0.6699 PERCNT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



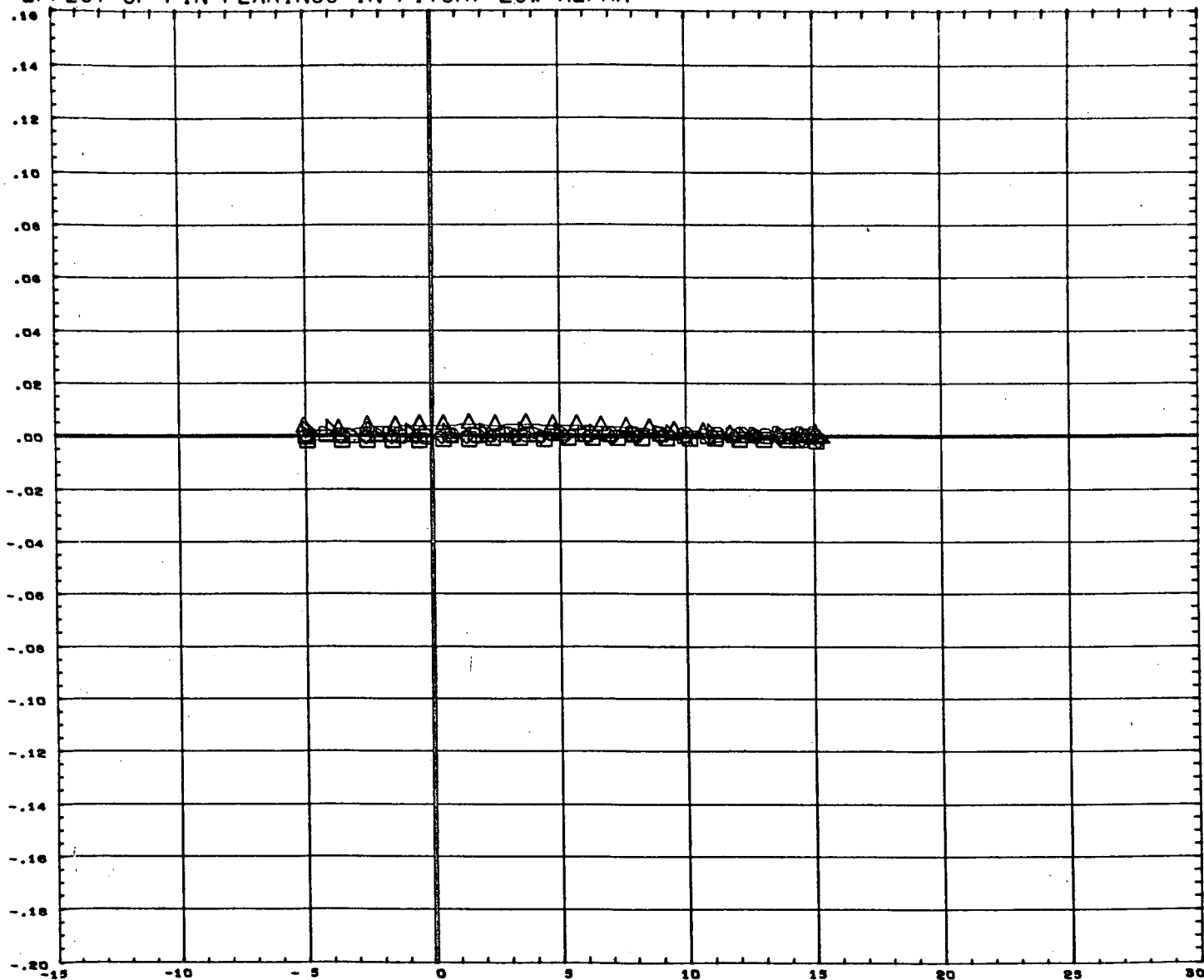
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF	9.7500 SQ. IN.
(RD8842)	BTWT 1242/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF	14.6830 INCHES
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP	0.0000 LBODY
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP	0.0000 INCHES
(RD8851)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP	0.0000 INCHES
				SCALE	0.6899 PERCNT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



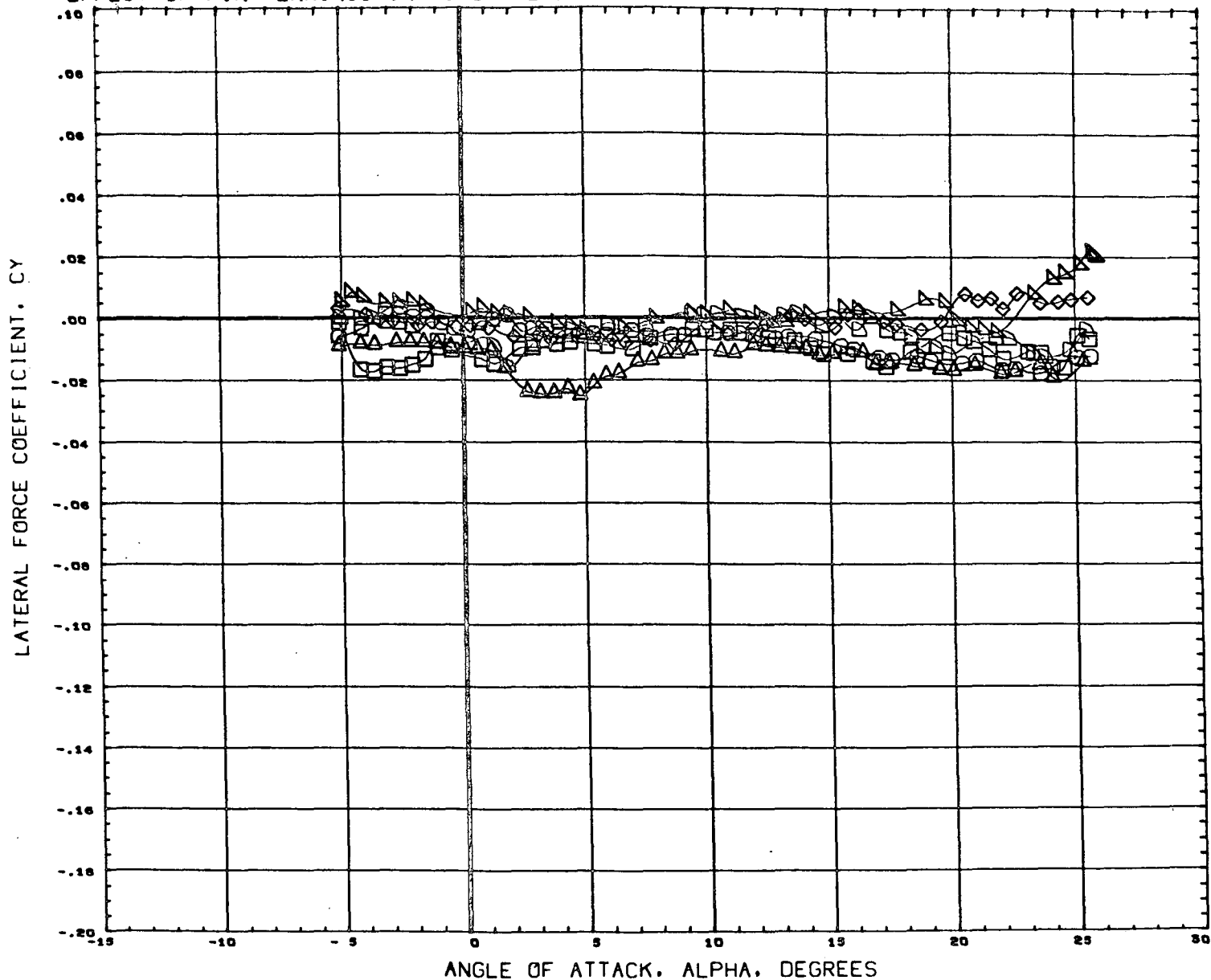
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF 9.7500 SQ. IN.
(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF 14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF 14.6830 INCHES
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP 0.0000 LBODY
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP 0.0000 INCHES
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA



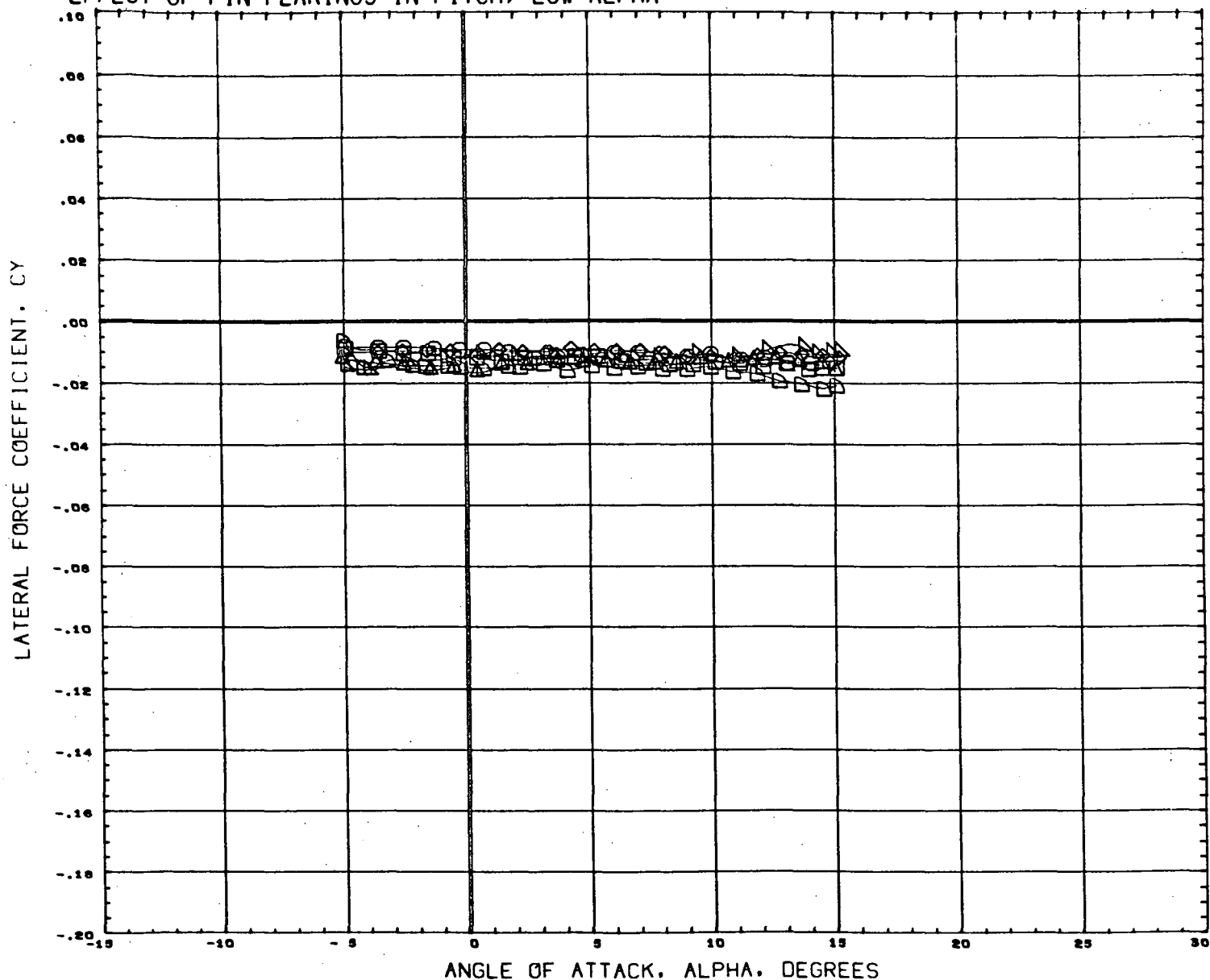
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB BSS2V3.2	0.000	
(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB BSS2V3.2F1	0.000	
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB BSS2V3	0.000	
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB BSS2V3F2.1	0.000	
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB BSS2V3F1	0.000	
(RD8851)	BTWT 1282/BSWT 557 PR-FED BRB BSS2V3.3F1	0.000	

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6630 INCHES
BREF	14.6630 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.6699 PERCENT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN PITCH, LOW ALPHA

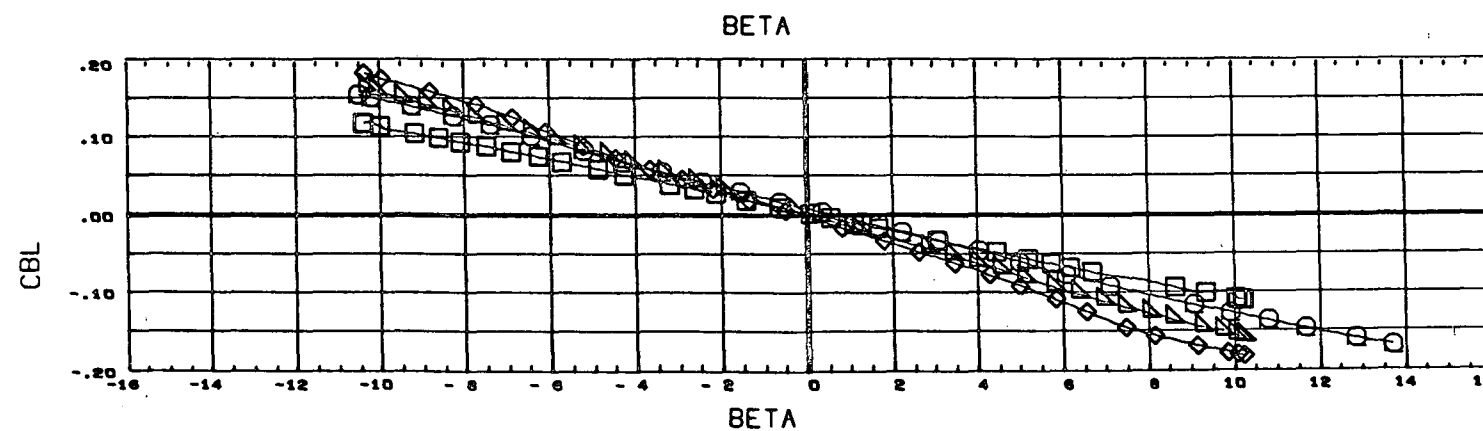
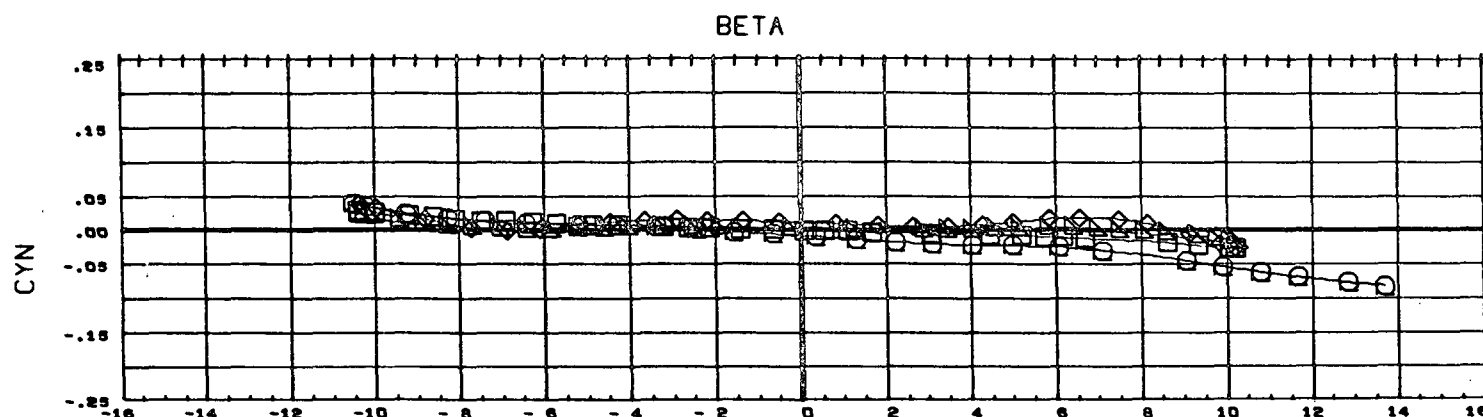
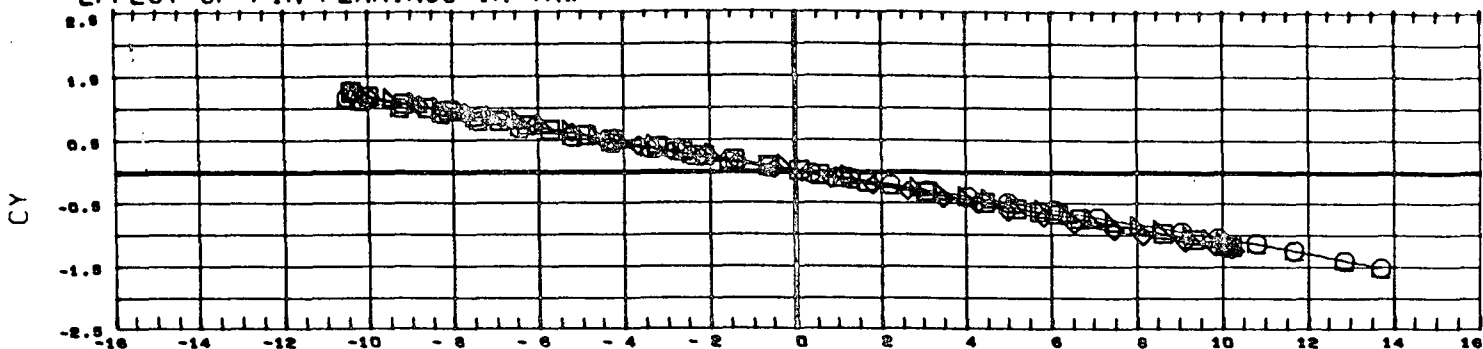


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8831)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2	0.000		SREF	9.7500 SQ. IN.
(RD8842)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.2F1	0.000		LREF	14.6830 INCHES
(RD8801)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3	0.000		BREF	14.6830 INCHES
(RD8811)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F2.1	0.000		XMRP	0.0000 LBODY
(RD8821)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3F1	0.000		YMRP	0.0000 INCHES
(RD8851)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	0.000		ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN YAW



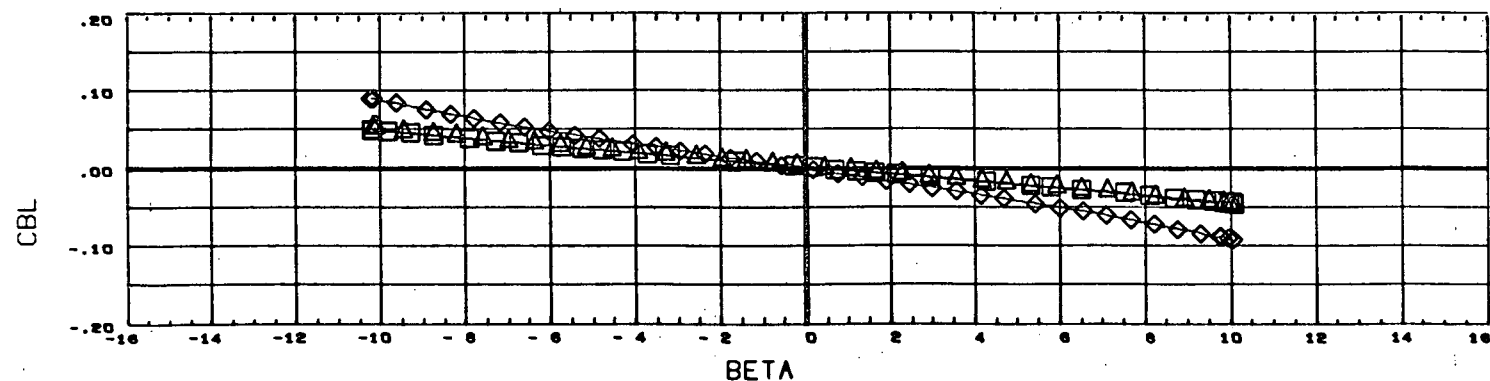
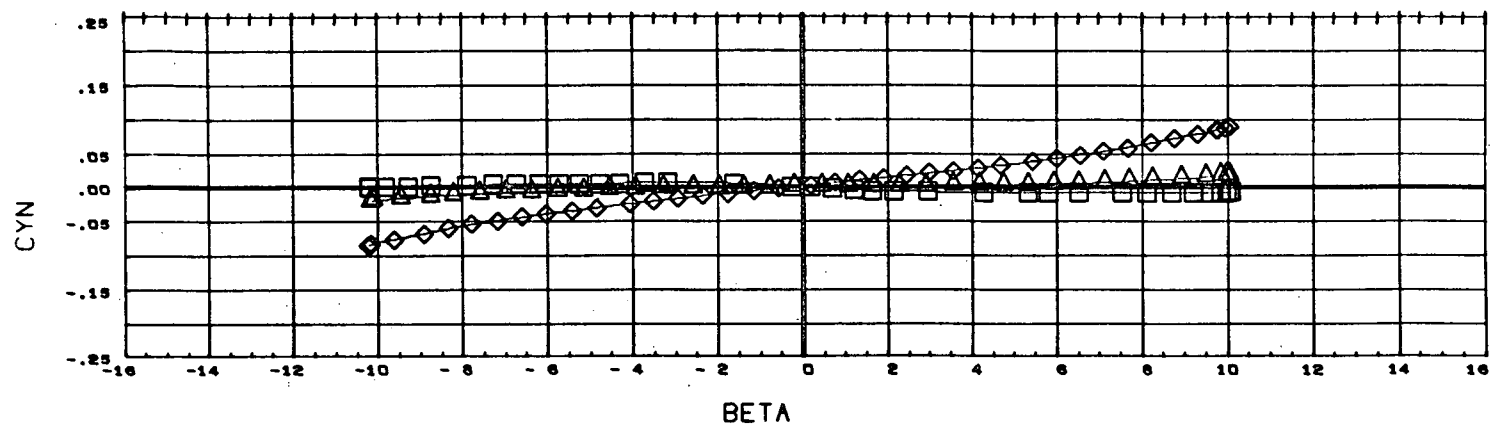
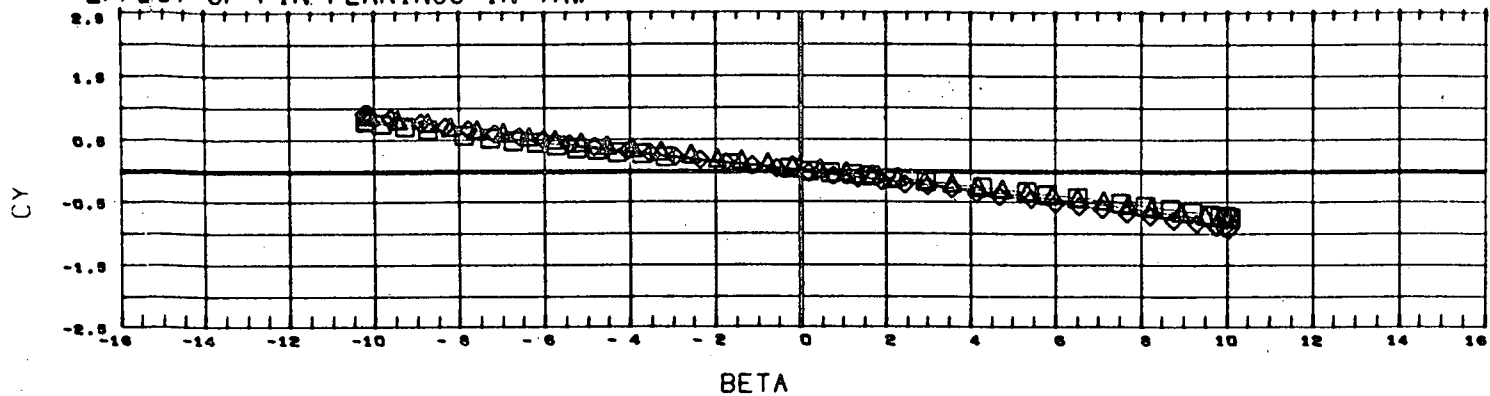
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(WD8314)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V6.1	7.700	0.000	SREF 9.7500 SQ. IN.
(RD8404)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000	LREF 14.6630 INCHES
(RD8654)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V9AF3	7.700		BREF 14.6630 INCHES
(WD8654)	BTWT 1282/BSWT 557 PR-FED BRB BSS2V3.3F1	7.700		XMRP 0.6000 LBODY
(RD8614)	BTWT 1282/BSWT 557 PR-FED BRB BSS3V9A	7.700		YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8699 PERCNT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN YAW

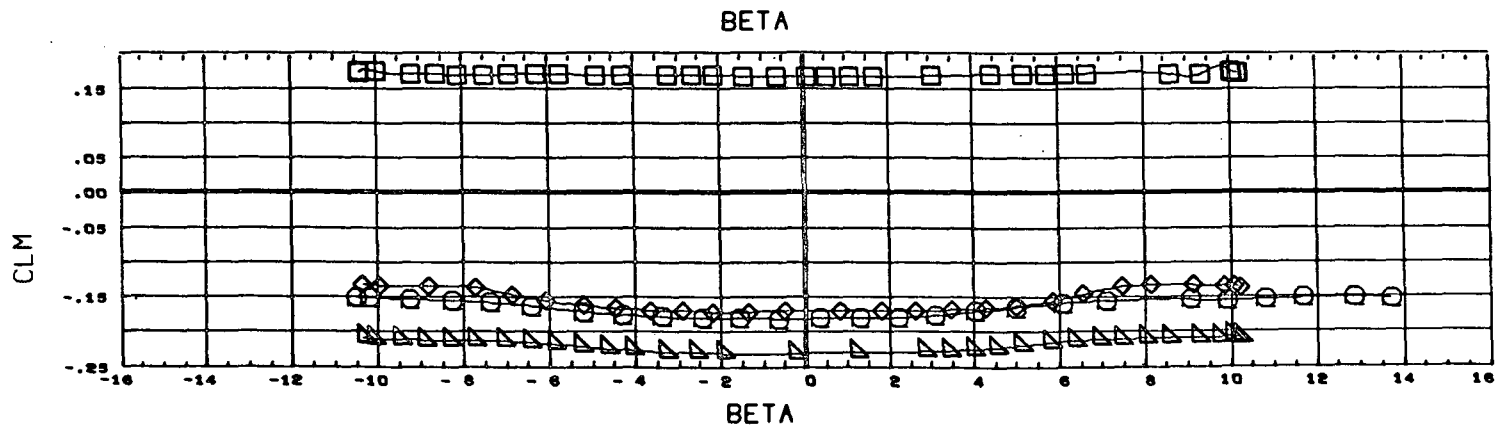
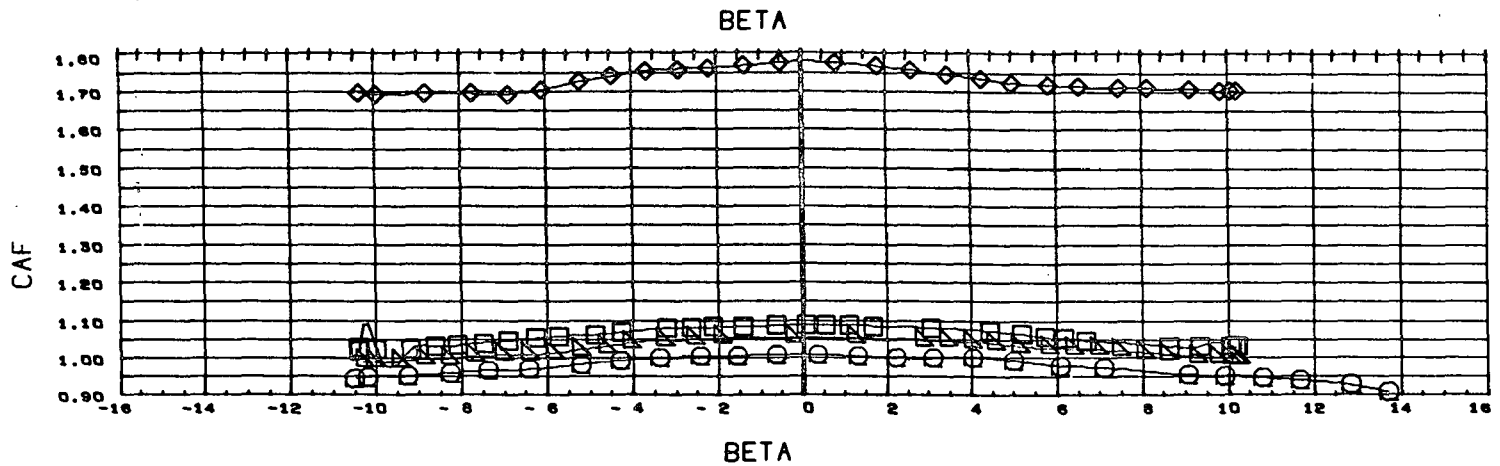
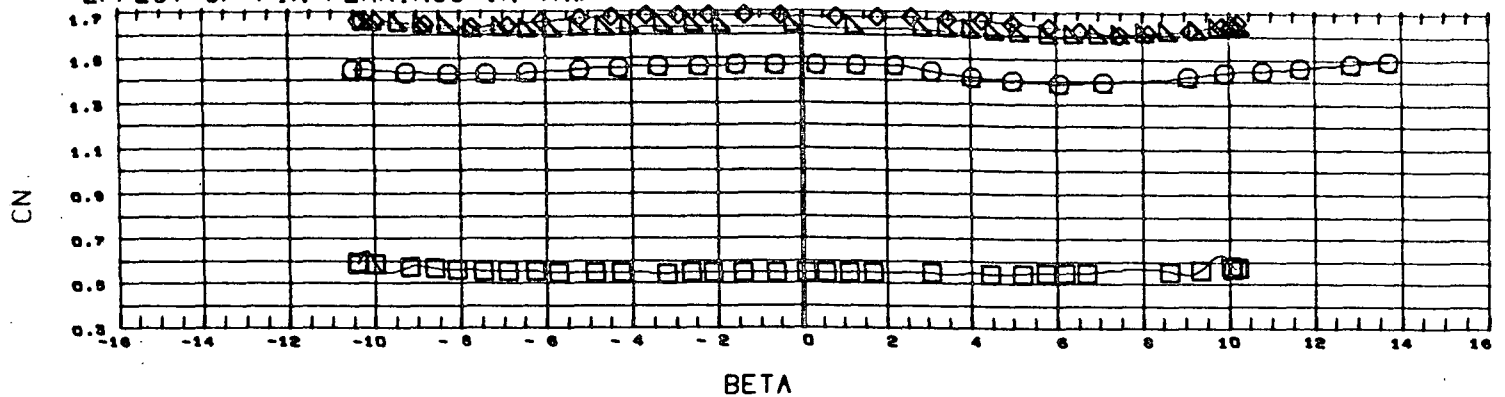


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION	
(WD8314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000	SREF	9.7500 SQ. IN.
(RD8404)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	7.700	0.000	LREF	14.6630 INCHES
(RD8654)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3	7.700		BREF	14.6630 INCHES
(WD8854)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	7.700		XMRP	0.6000 LBODY
(RD8814)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN YAW



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08314)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V6.1
(R08404)	DATA NOT AVAILABLE FOR ALL CONDITIONS		
(R08654)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9AF3
(W08654)	BTWT 1282/BSWT 557	PR-FED BRB	B5S2V3.3F1
(R08614)	BTWT 1282/BSWT 557	PR-FED BRB	B5S3V9A

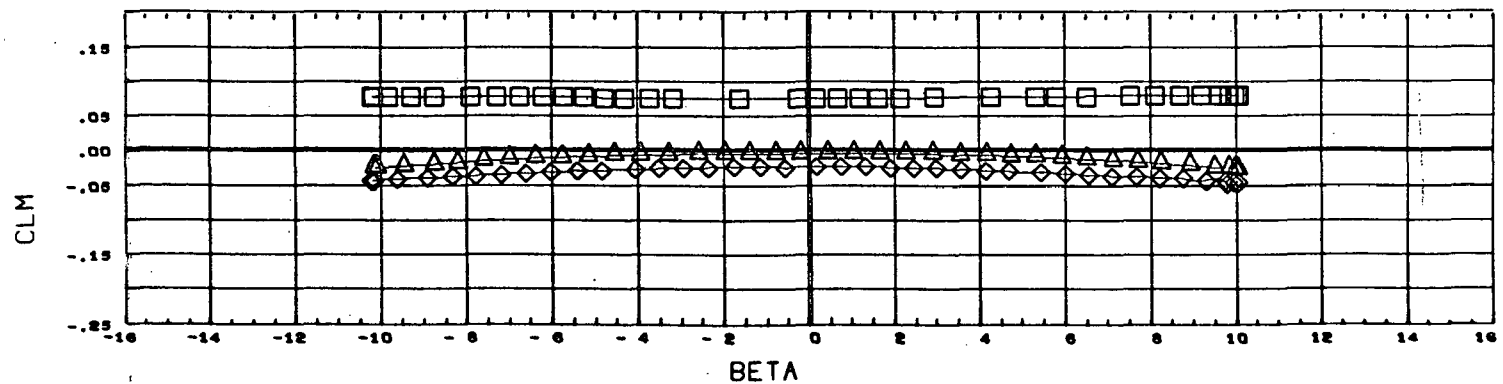
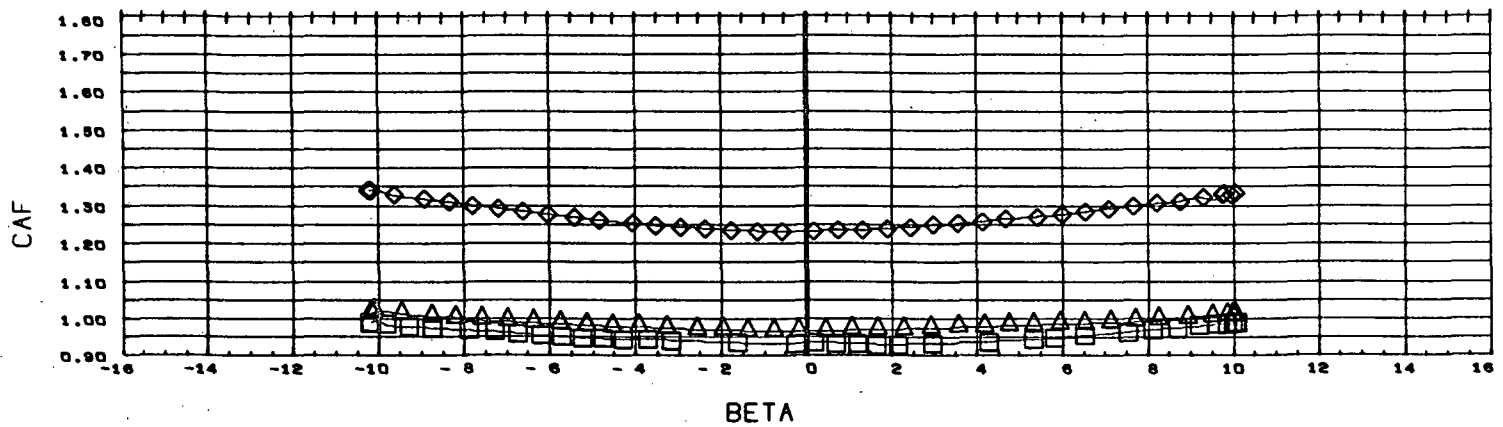
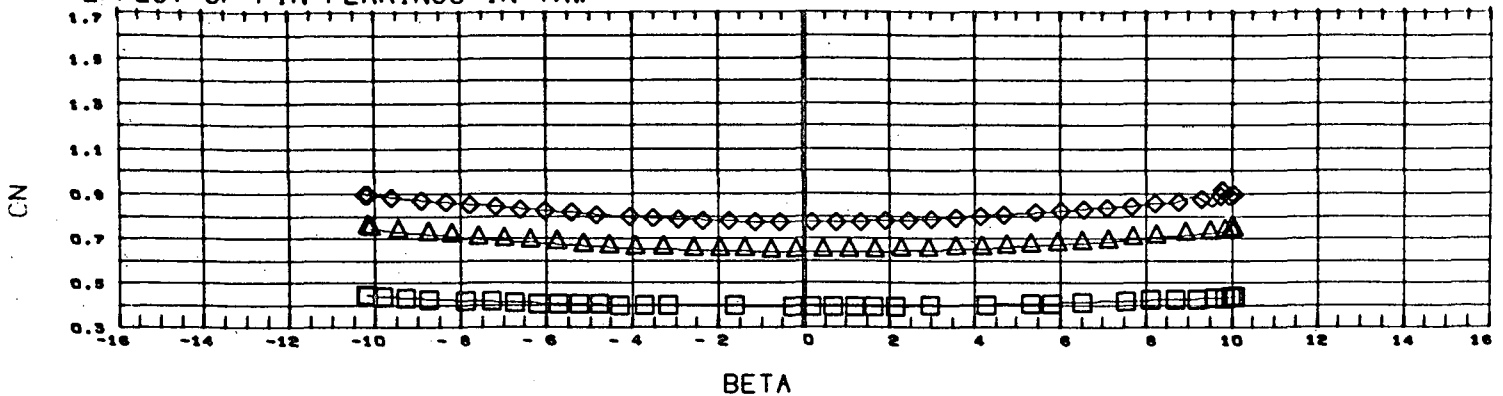
ALPHA	DELTA V
7.700	0.000
7.700	0.000
7.700	0.000
7.700	0.000
7.700	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCNT

MACH 1.40

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# EFFECT OF FIN FLARINGS IN YAW

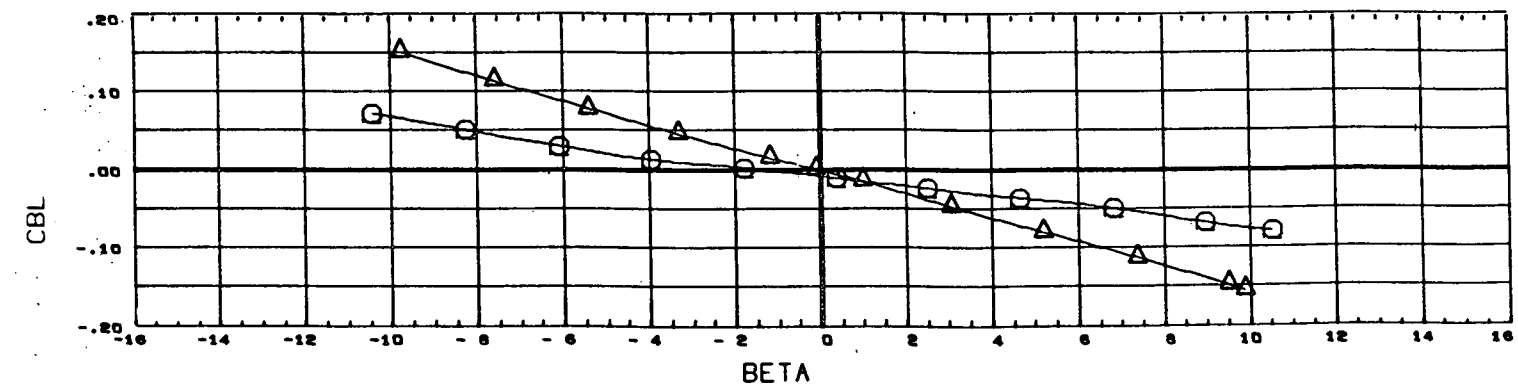
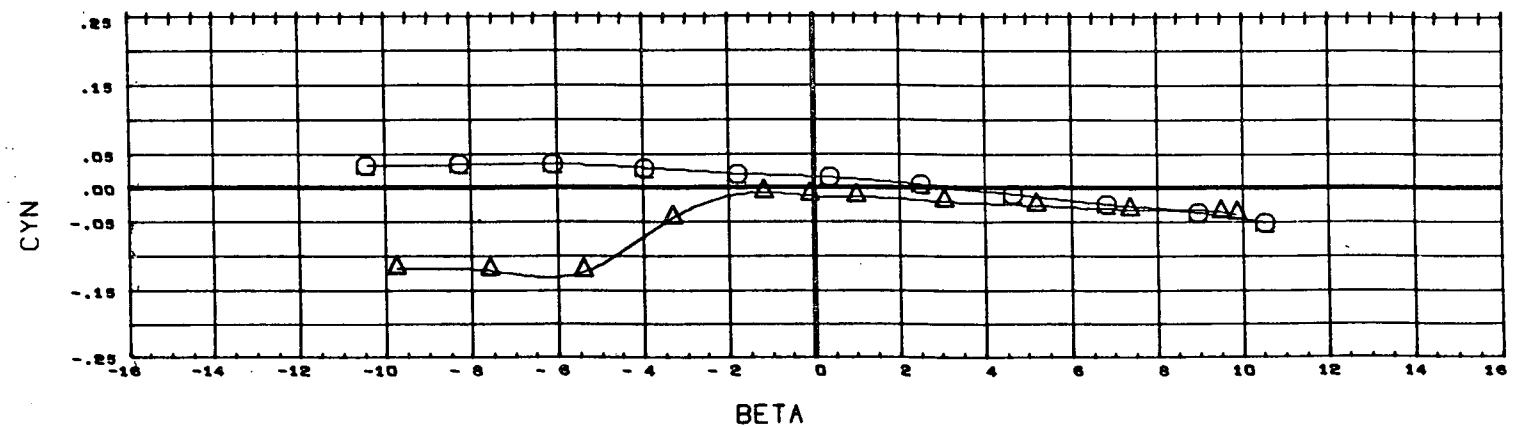
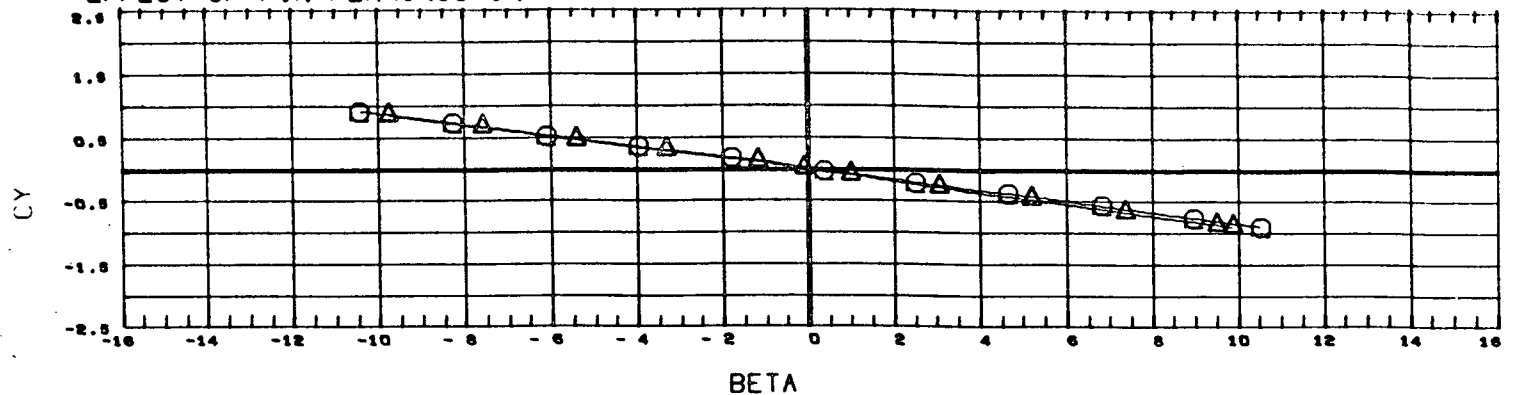


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION	
(WD8314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700	0.000	SREF	9.7500 SQ. IN.
(RD8404)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	7.700	0.000	LREF	14.6830 INCHES
(RD8654)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3	7.700		BREF	14.6830 INCHES
(WD8654)	BTWT 1282/BSWT 557 PR-FED BRB B5S2V3.3F1	7.700		XMRP	0.6000 INCHES
(RD8614)	DATA NOT AVAILABLE FOR ALL CONDITIONS	7.700		YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.98

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# EFFECT OF FIN FLARINGS IN YAW



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(W08503) BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F  
(RD6655) BTWT 1202/BSWT 557 PR-FED BRB 85S3V9AF3

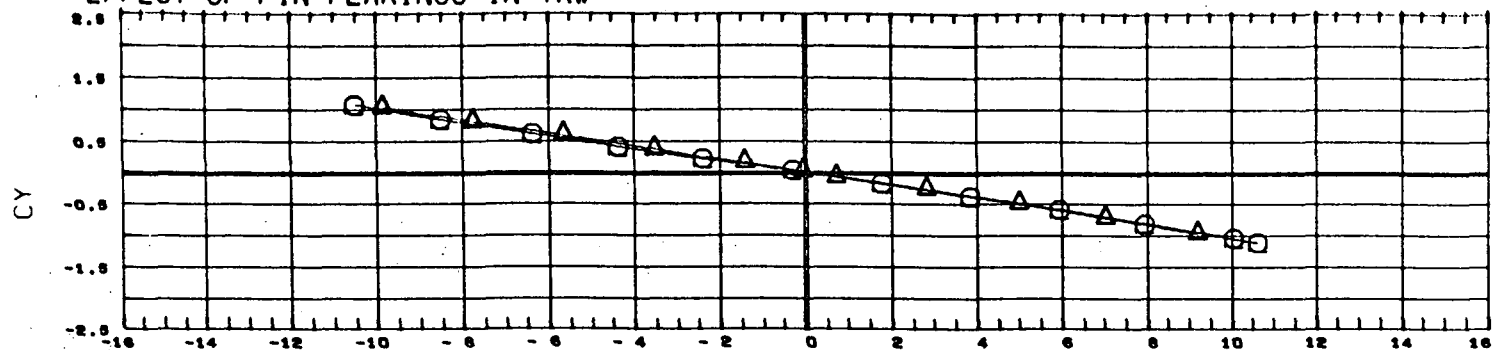
ALPHA DELTAV  
10.000 0.000  
10.000

REFERENCE INFORMATION  
SREF 9.7500 SQ. IN.  
LREF 14.6830 INCHES  
BREF 14.6830 INCHES  
XMRP 0.6000 LBODY  
YMRP 0.0000 INCHES  
ZMRP 0.0000 INCHES  
SCALE 0.8899 PERCENT

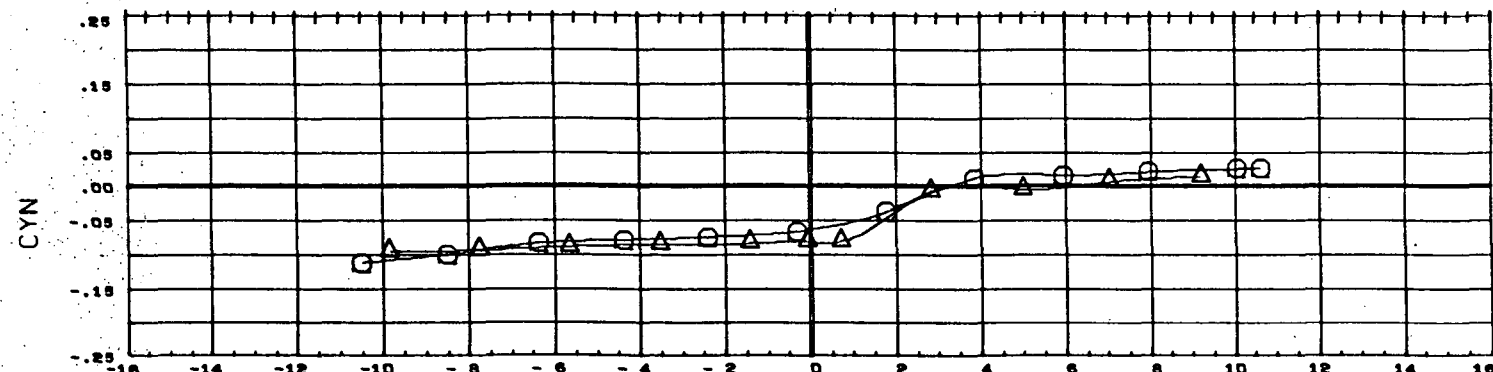
MACH .60

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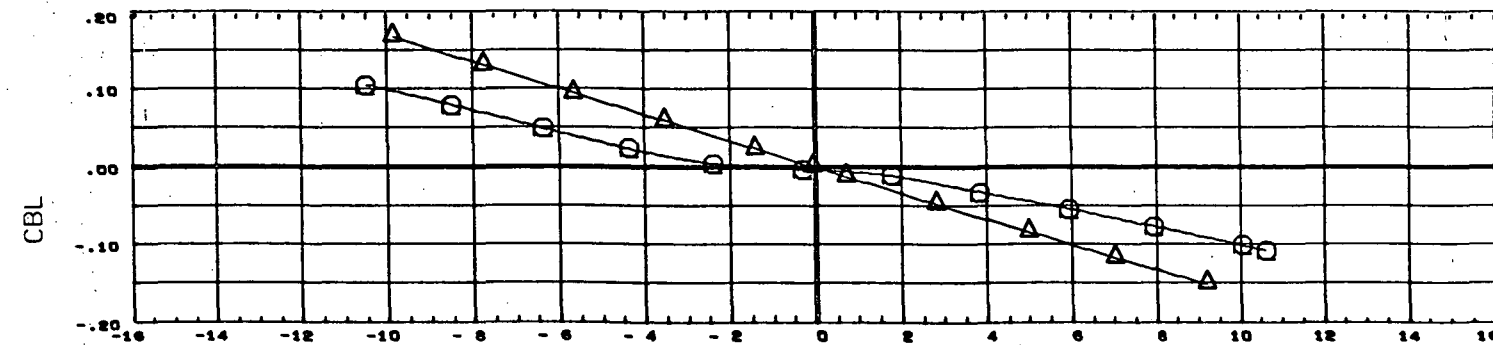
# EFFECT OF FIN FLARINGS IN YAW



BETA



BETA



BETA

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(WD8909)	BTWT 1262/BSWT 557 PR-FED BRB B553V6F
(RD8655)	BTWT 1262/BSWT 557 PR-FED BRB B553V9AF3

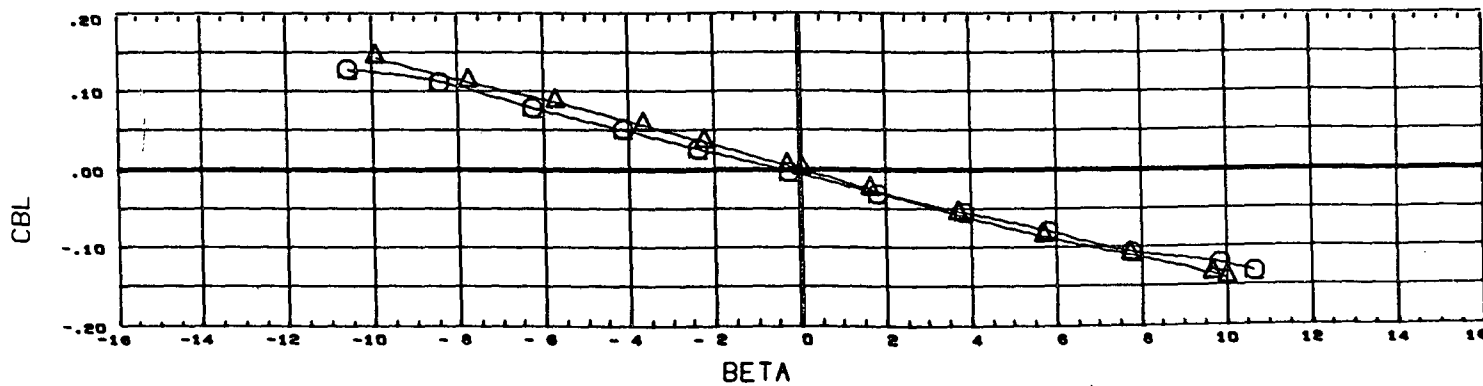
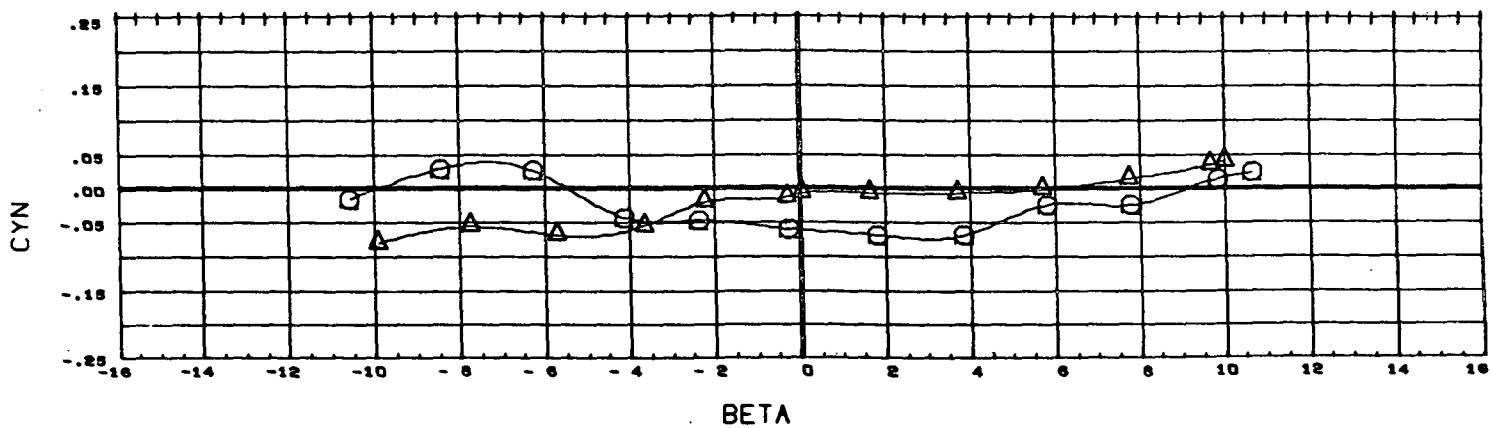
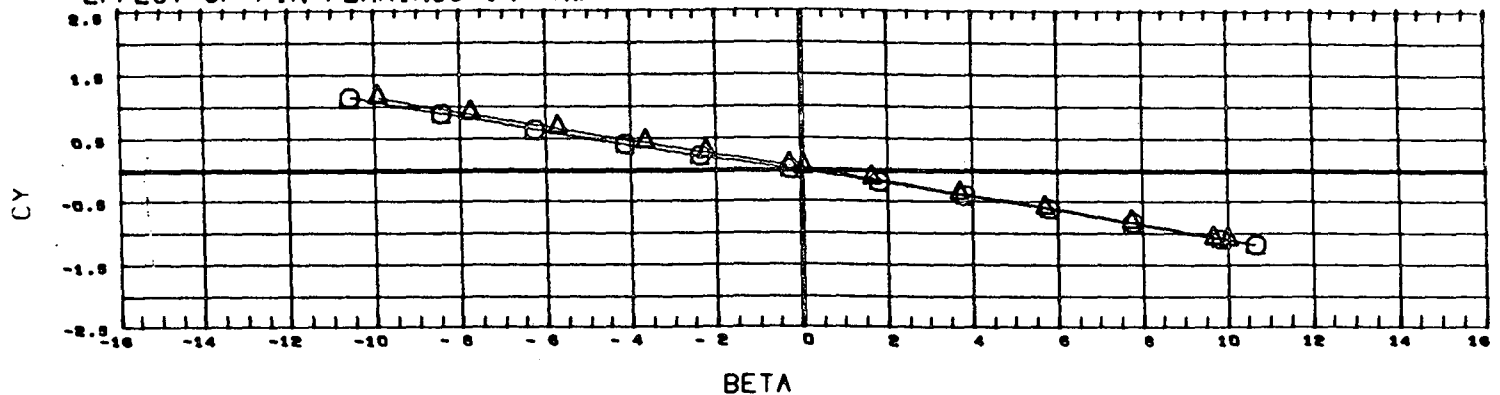
ALPHA	DELTA V
10.000	0.000
10.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN YAW



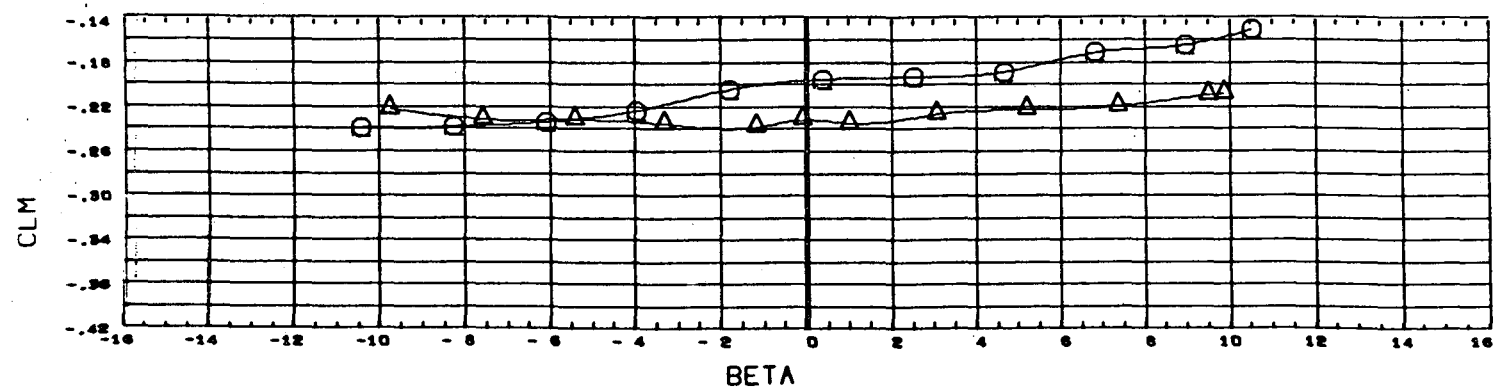
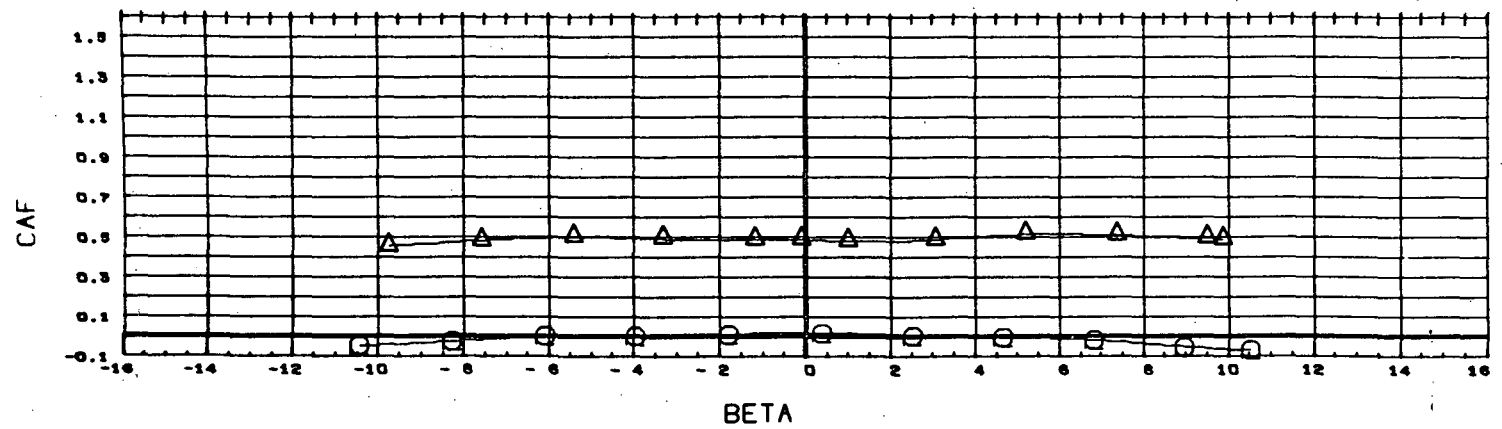
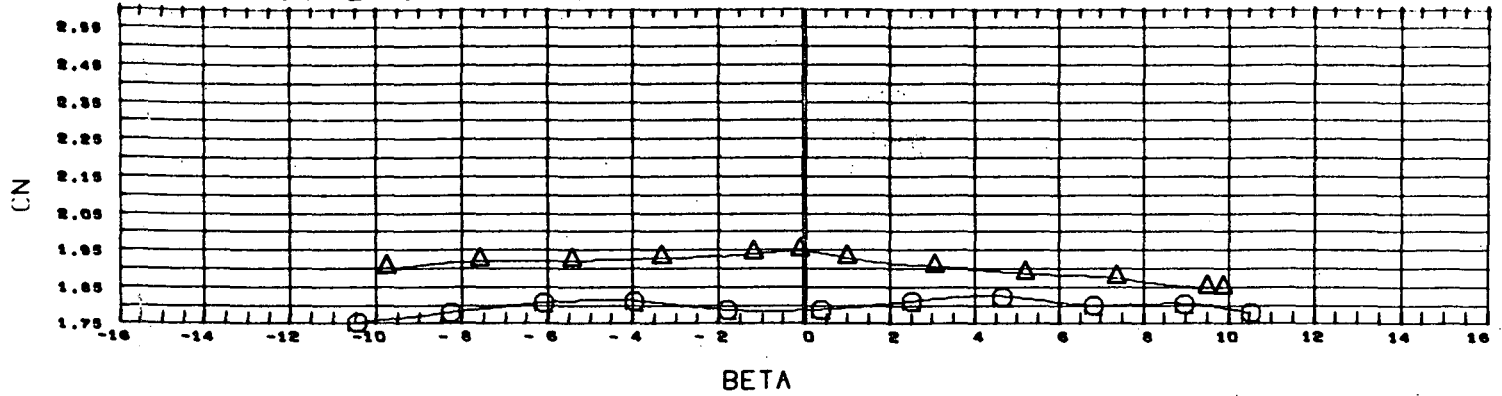
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(WD8905)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(RD8655)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3	10.000	10.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

PAGE 498

# EFFECT OF FIN FLARINGS IN YAW



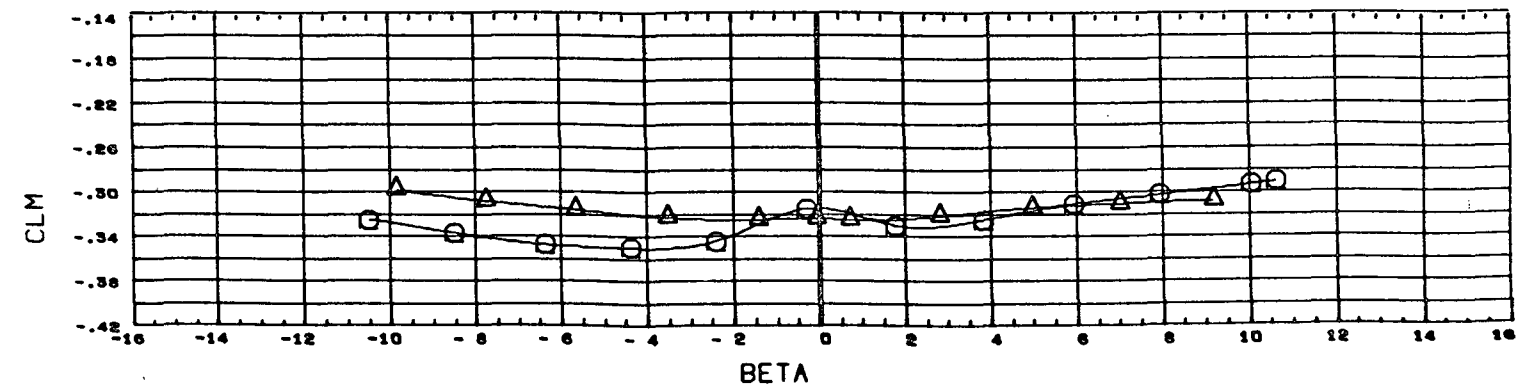
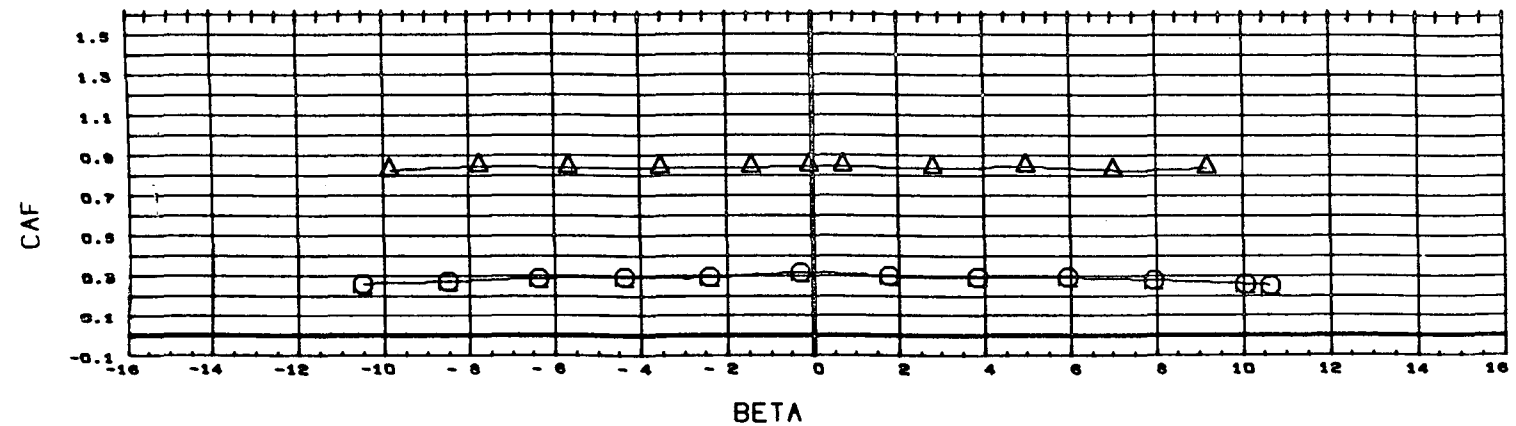
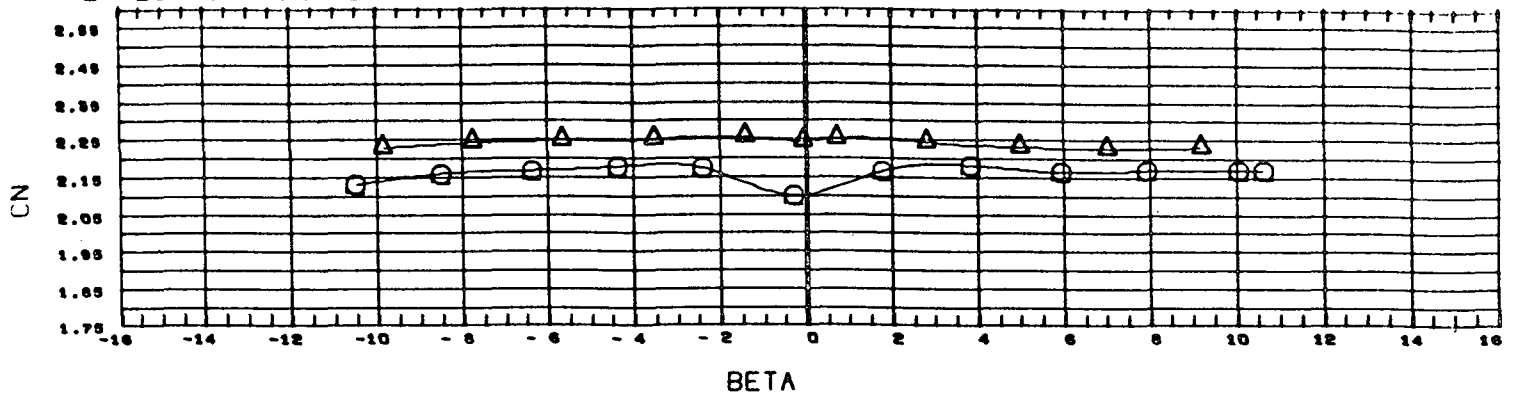
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				ALPHA	DELTA V
(WD8505)	BTWT 1282/BSWT 557	PR-FED BRB	BSS3V6F	10.000	0.000	
(RD8655)	BTWT 1282/BSWT 557	PR-FED BRB	BSS3V9AF3	10.000		

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LEADY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8659	PERCENT

MACH .60

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# EFFECT OF FIN FLARINGS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTAV
(W08509)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000
(R08655)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3	10.000	0.000

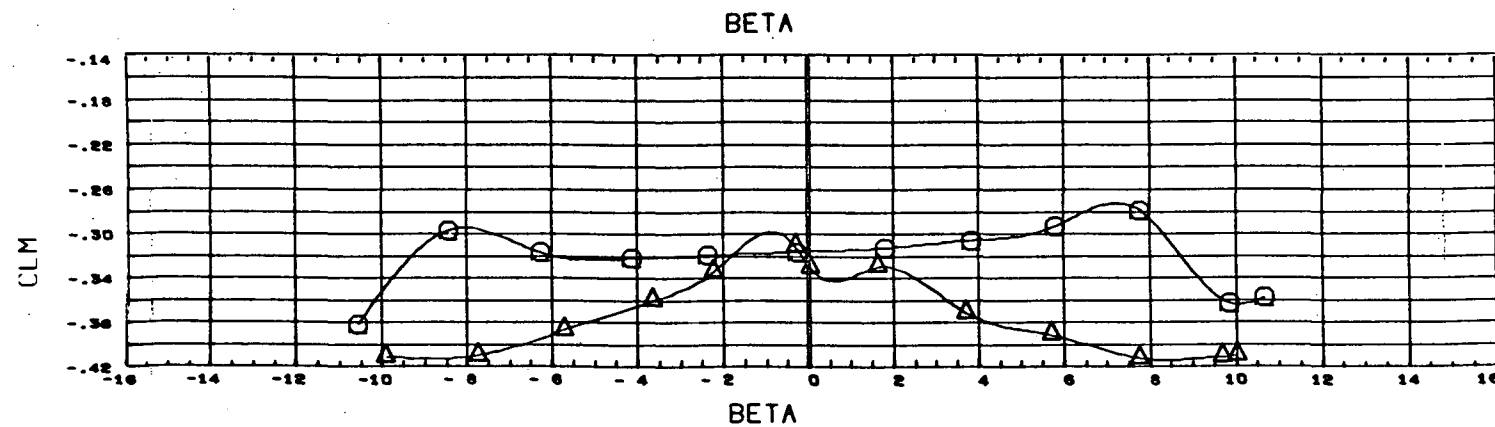
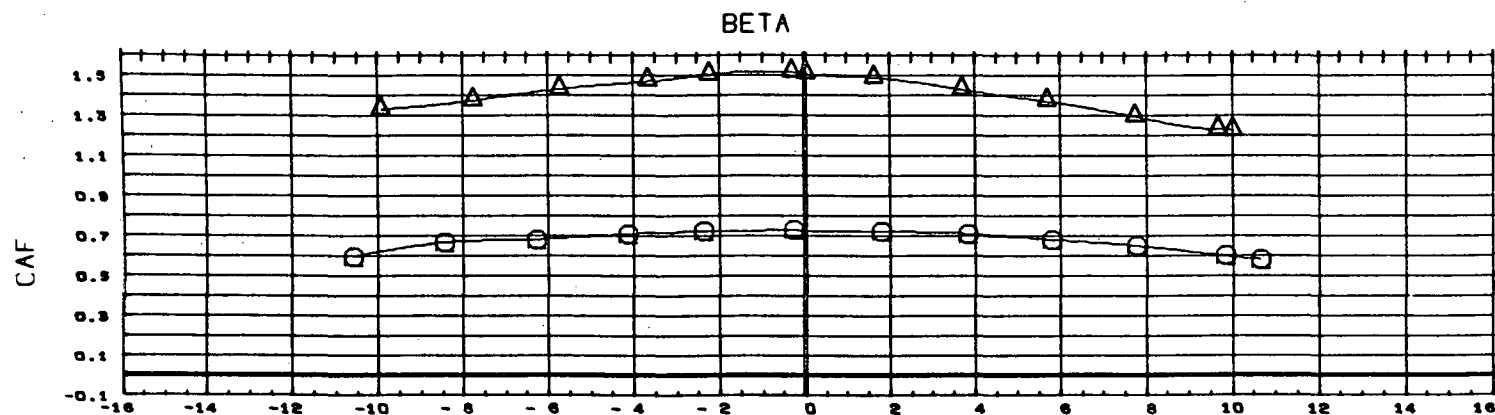
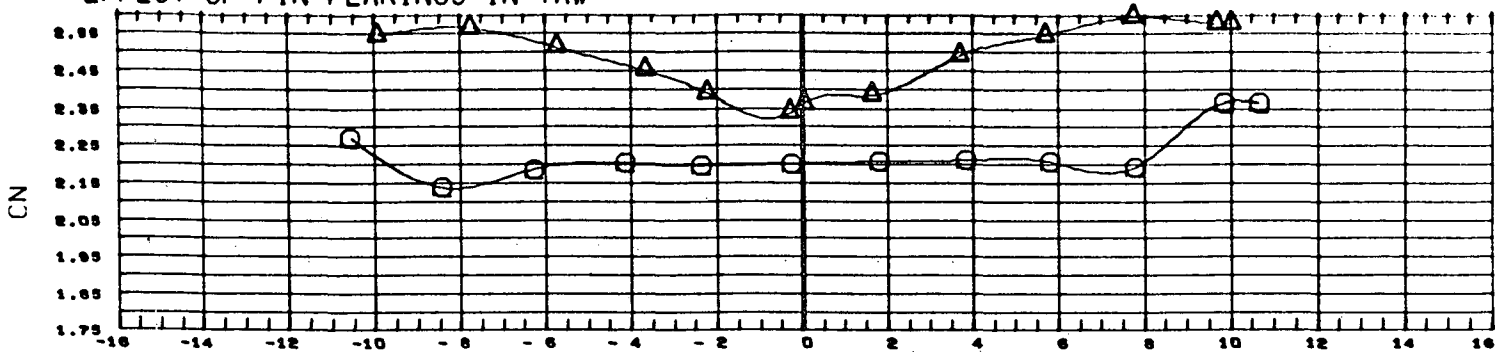
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH .90

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# EFFECT OF FIN FLARINGS IN YAW



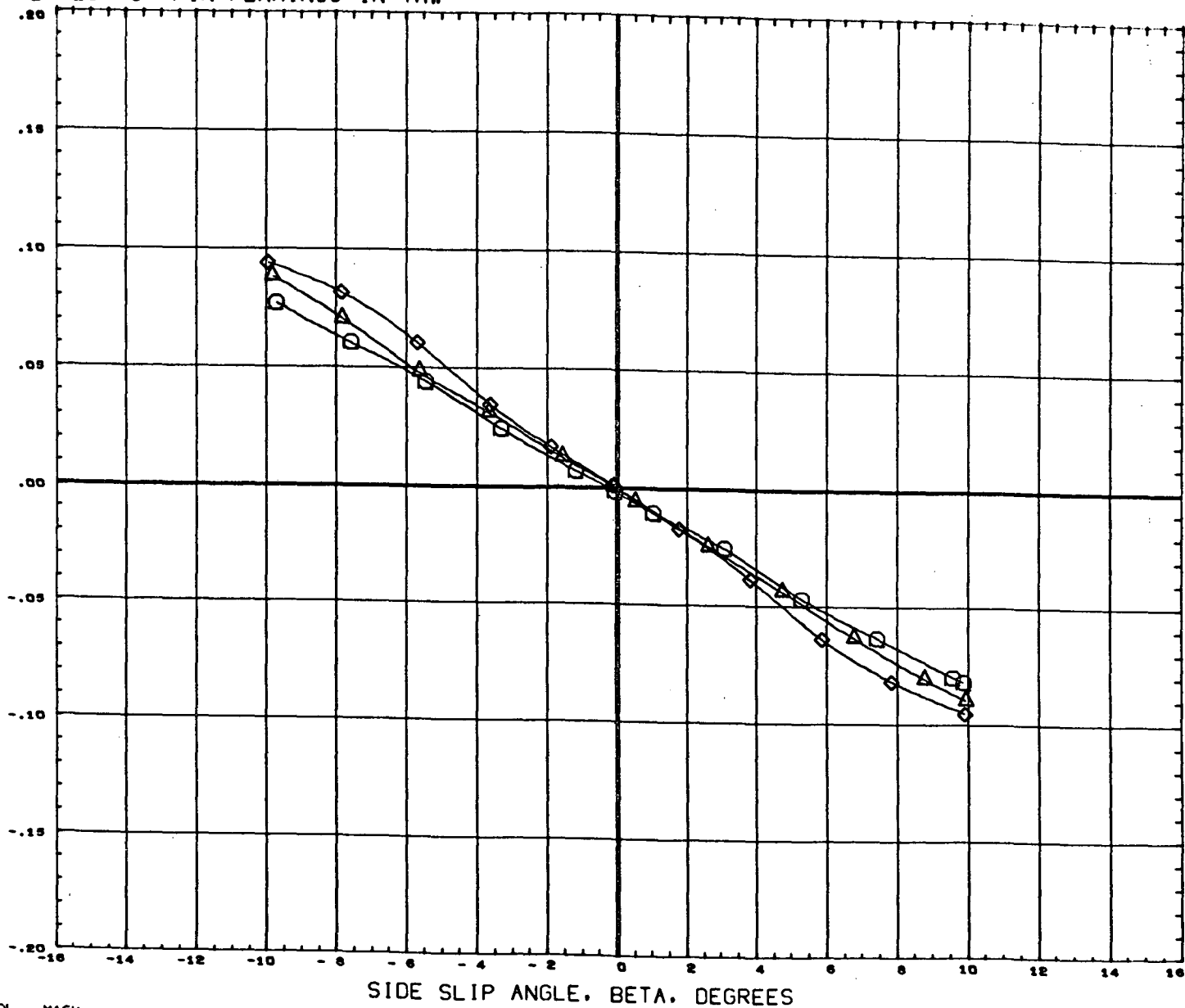
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V	REFERENCE INFORMATION
(W08505)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	10.000	0.000	SREF 9.7500 SQ. IN.
(R08655)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V9AF3	10.000	0.000	LREF 14.6630 INCHES
				BREF 14.6630 INCHES
				XMRF 0.6000 LBODY
				YMRF 0.0000 INCHES
				ZMRF 0.0000 INCHES
				SCALE 0.8695 PERCENT

MACH 1.05

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# EFFECT OF FIN FLARINGS IN YAW

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



SYMBOL

○  
△  
◇

MACH

0.600  
0.900  
1.051

ALPHA

PARAMETRIC VALUES  
10.000

REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

DATA HIST. CODE \*6

BTWT 1282/BSWT 557

PR-FED BRB

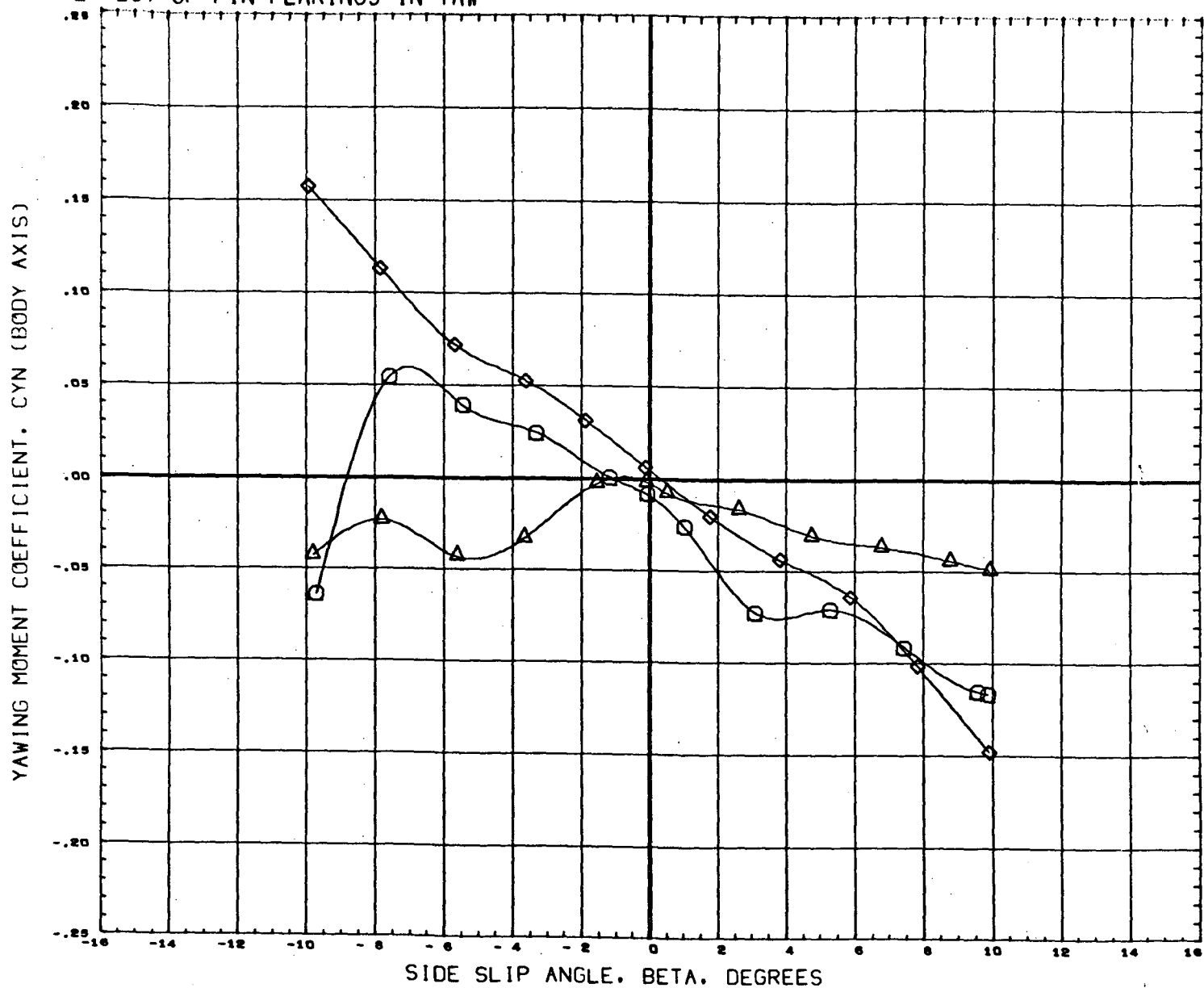
B5S2V3.2F1

(WD8845)

13 SEP 72

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# EFFECT OF FIN FLARINGS IN YAW

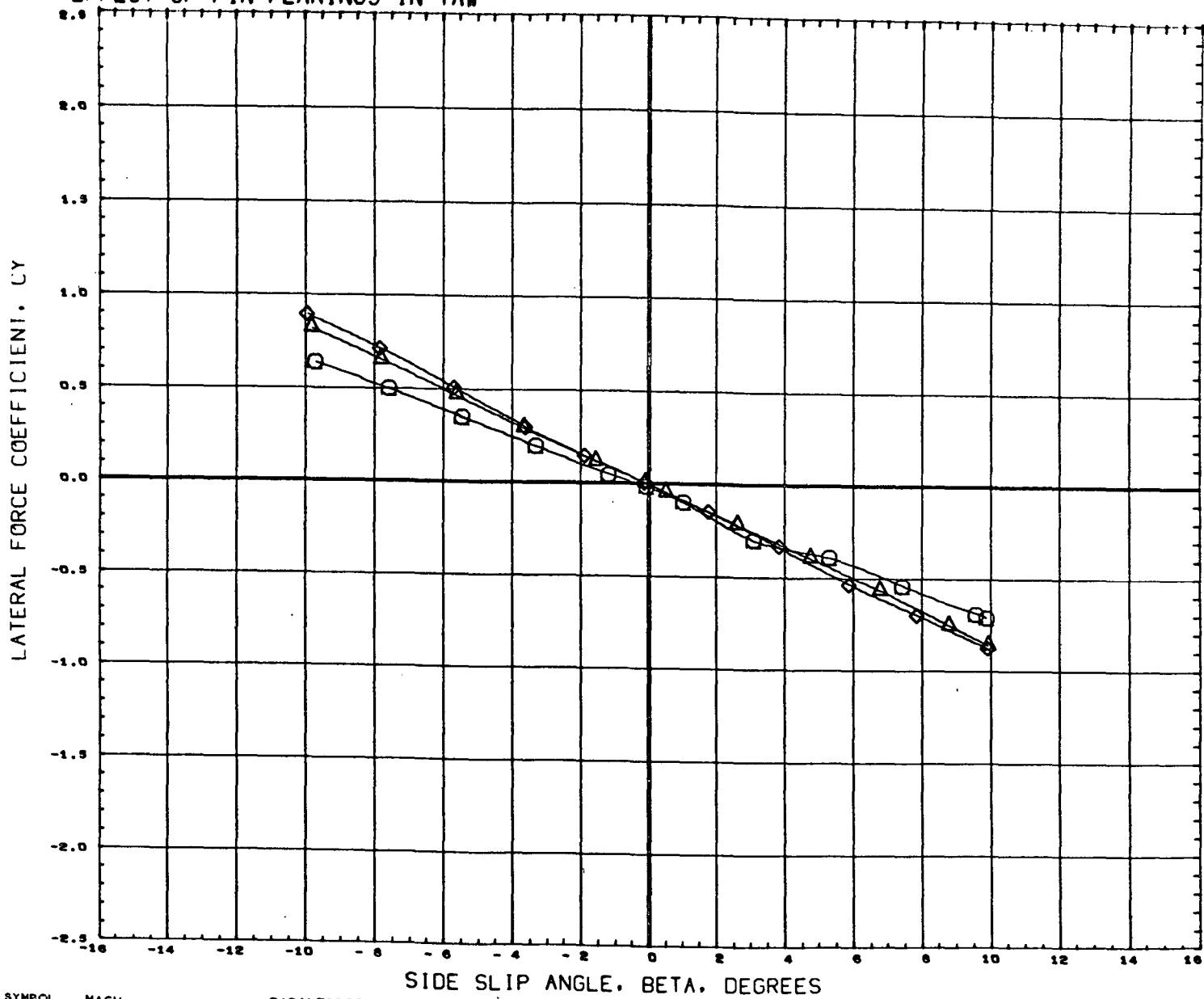


SYMBOL MACH ALPHA PARAMETRIC VALUES  
 ○ 0.600  
 △ 0.900  
 ◇ 1.051

DATA HIST. CODE \*G

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6630 INCHES  
 BREF 14.6630 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.6699 PERCENT

# EFFECT OF FIN FLARINGS IN YAW

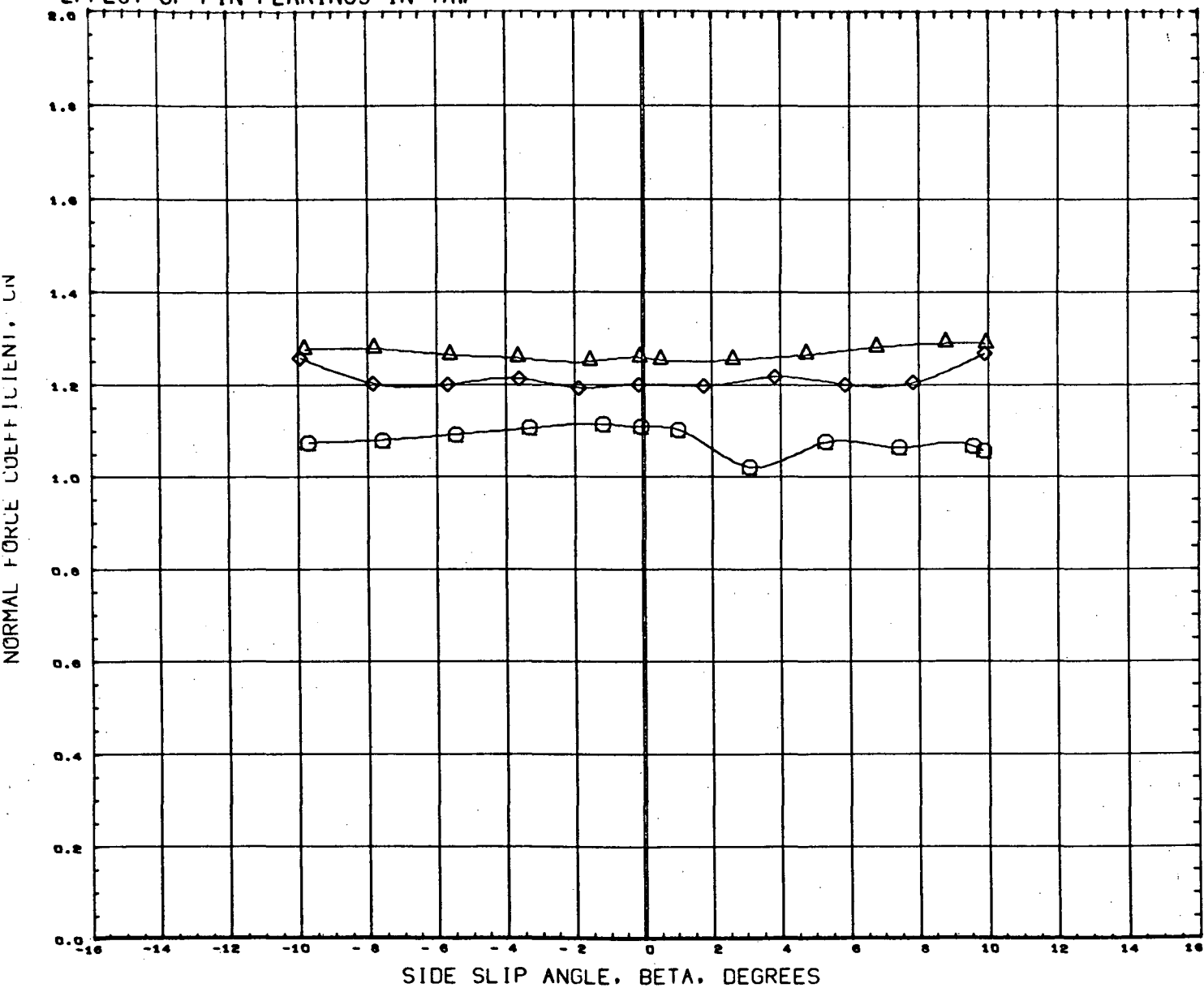


SYMBOL MACH ALPHA PARAMETRIC VALUES  
 ○ 0.600  
 △ 0.900  
 ◇ 1.051

DATA HIST. CODE #6

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6630 INCHES  
 BREF 14.6630 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.8899 PERCENT

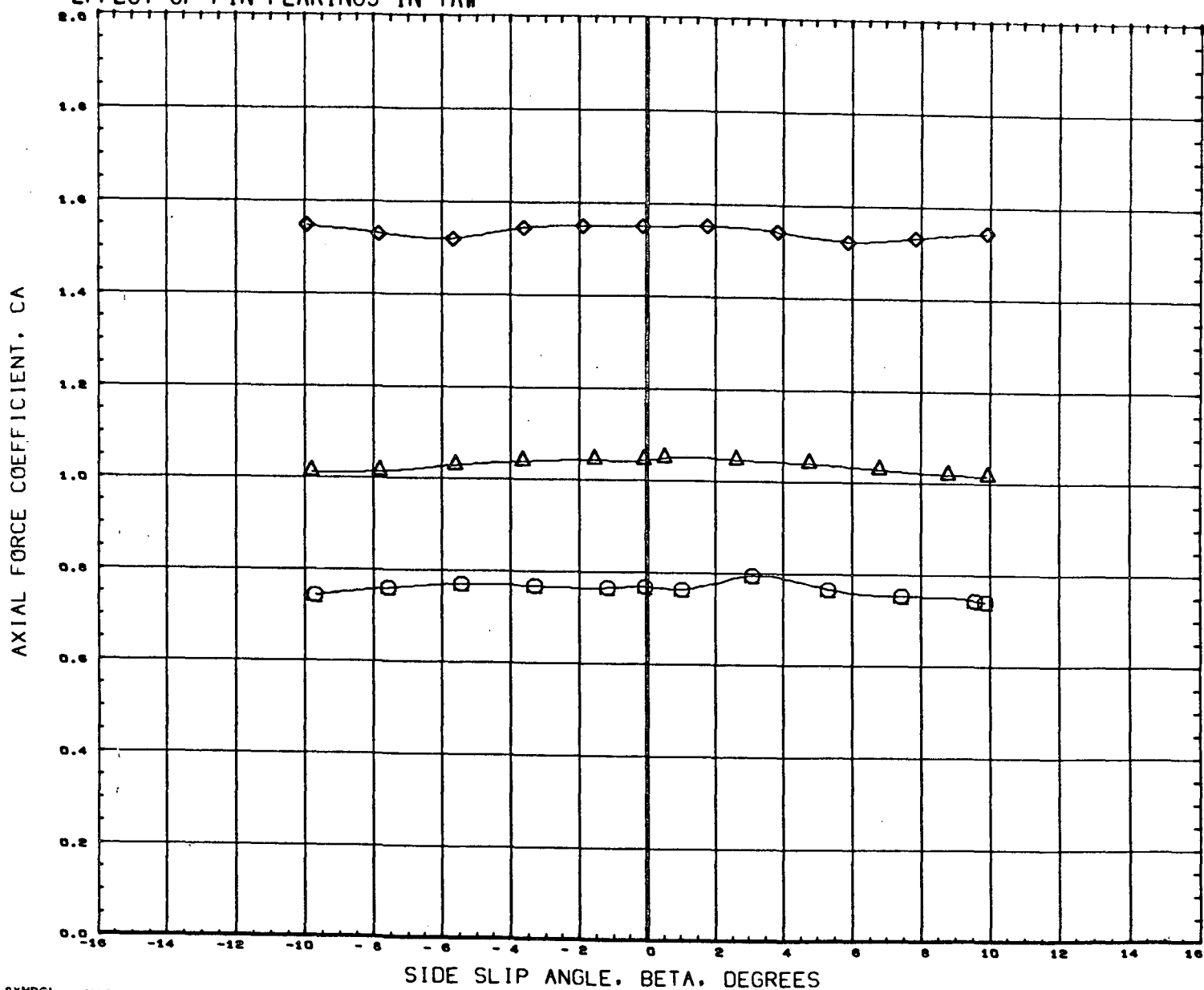
# EFFECT OF FIN FLARINGS IN YAW



PARAMETRIC VALUES		REFERENCE INFORMATION	
YMBOL	MACH	SREF	9.7500 SQ. IN.
○	0.600	LREF	14.6830 INCHES
△	0.900	BREF	14.6830 INCHES
◇	1.051	XMRP	0.6000 LBODY
		YMRP	0.0000 INCHES
		ZMRP	0.0000 INCHES
		SCALE	0.8899 PERCENT

DATA HIST. CODE \*G

# EFFECT OF FIN FLARINGS IN YAW

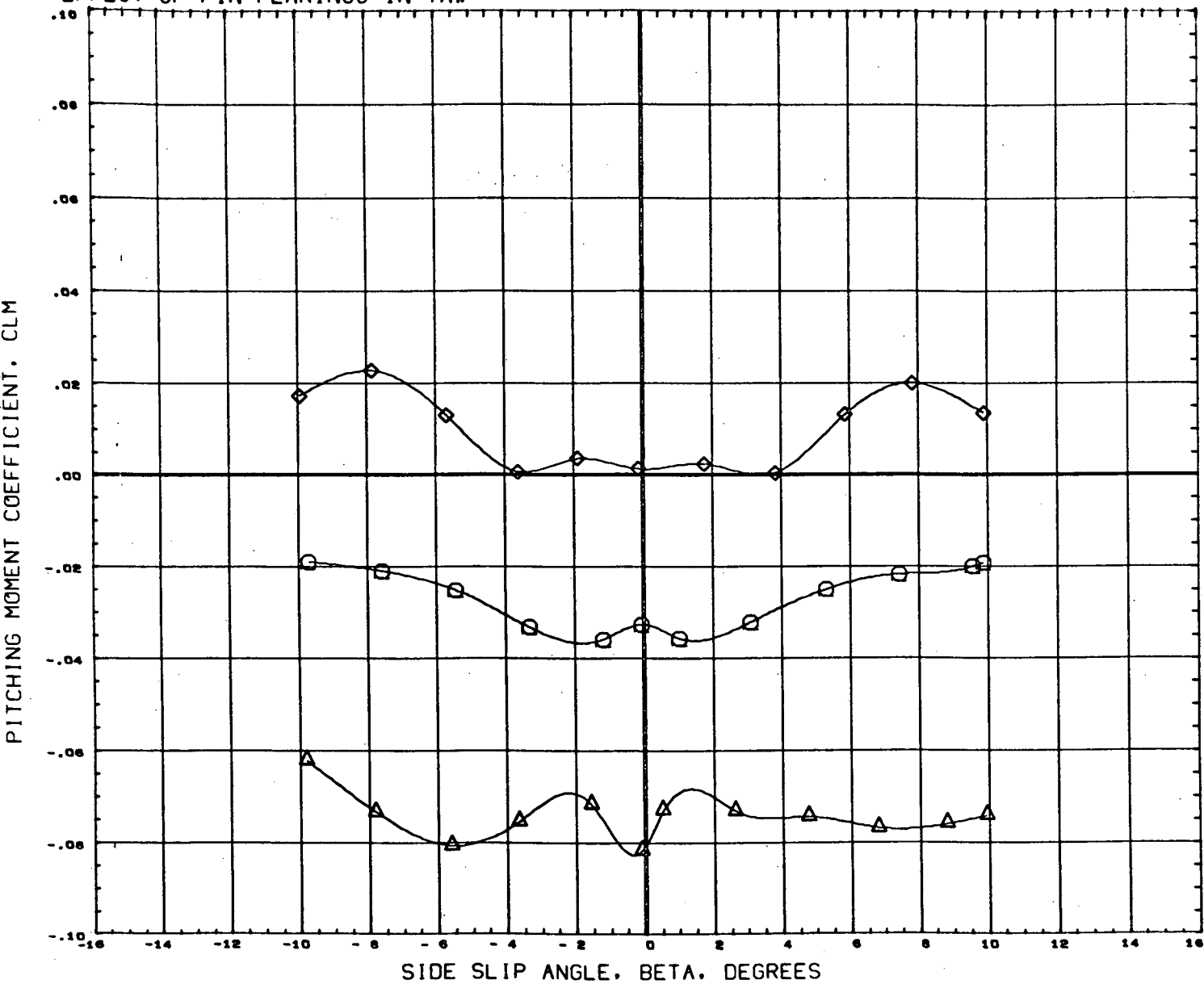


SYMBOL    MACH    ALPHA    PARAMETRIC VALUES  
 ○        0.600    10.000  
 △        0.900  
 ◇        1.051

REFERENCE INFORMATION  
 SREF    9.7500    SQ. IN.  
 LREF    14.6830    INCHES  
 BREF    14.6830    INCHES  
 XMRP    0.6000    LBODY  
 YMRP    0.0000    INCHES  
 ZMRP    0.0000    INCHES  
 SCALE    0.8899    PERCENT

DATA HIST. CODE    \*6

# EFFECT OF FIN FLARINGS IN YAW



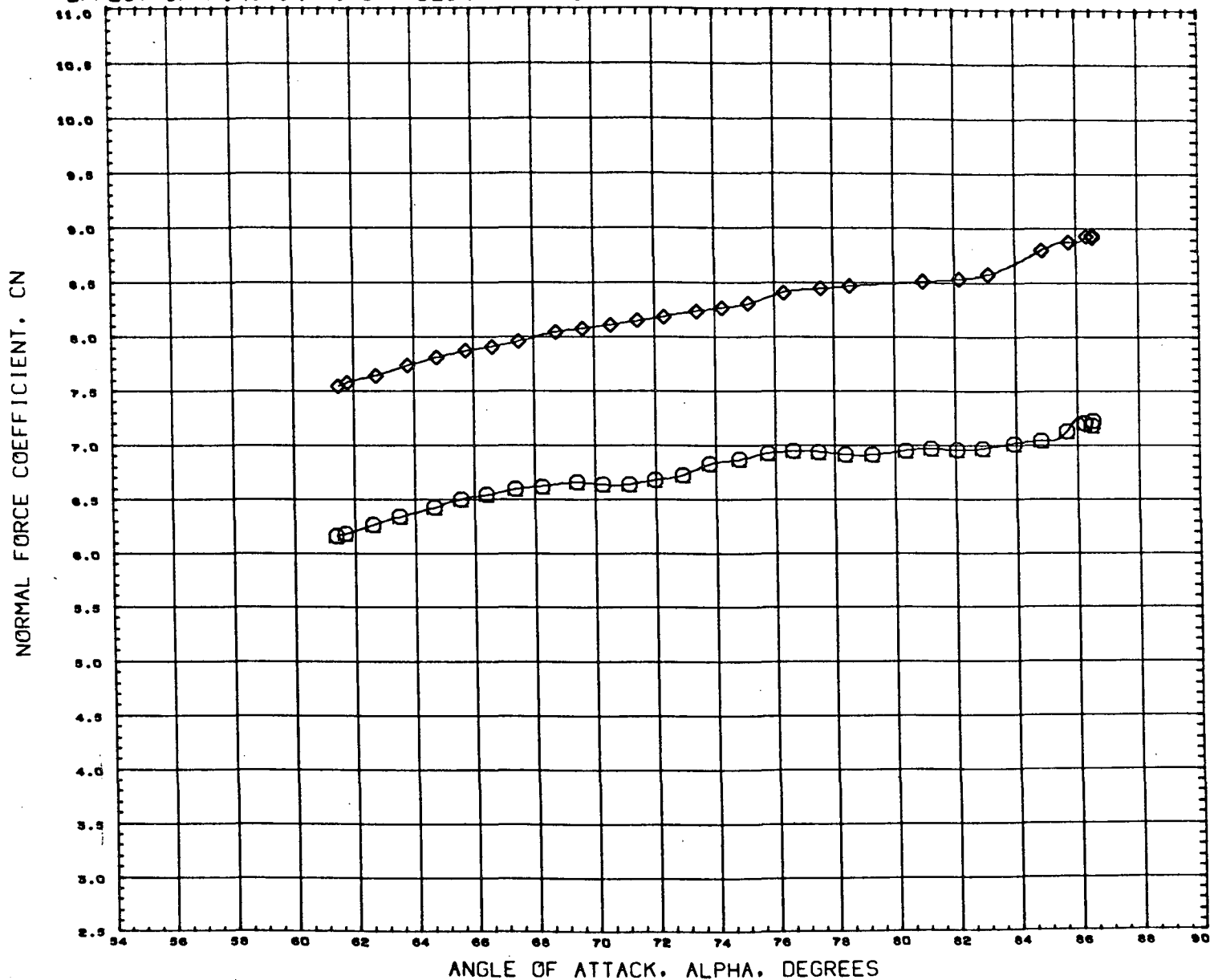
SYMBOL    MACH    ALPHA    PARAMETRIC VALUES  
 ○        0.600    10.000  
 △        0.900  
 ◇        1.051

DATA HIST. CODE    \*6

## REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

# EFFECT OF FINS IN PITCH, BLUNT SHROUD



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8932)	BTWT 1262/BSWT 557 PR-FED BRB B555
(RD8942)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8952)	BTWT 1262/BSWT 557 PR-FED BRB B555V9

BETA	DELTAV
0.000	
0.000	
0.000	

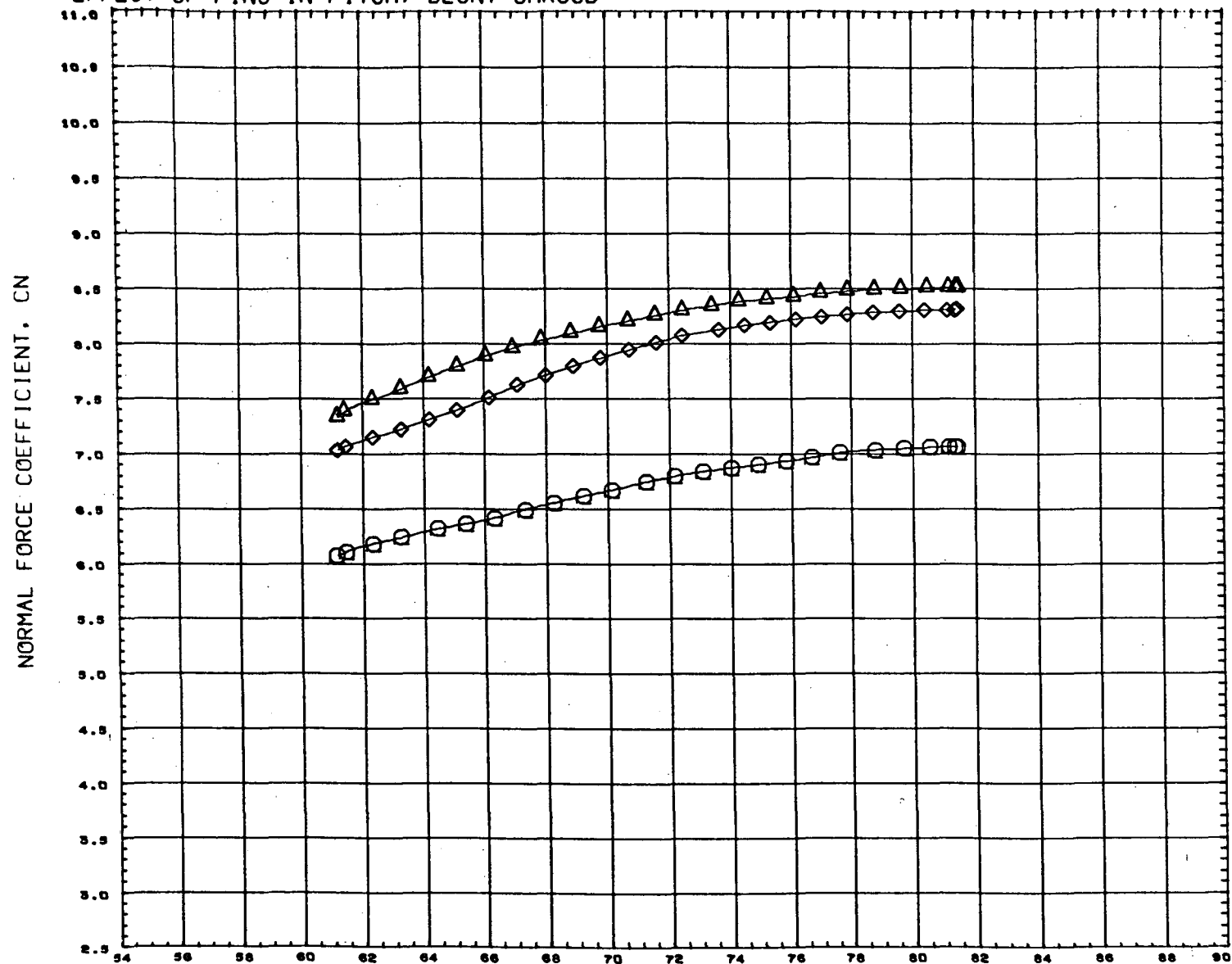
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD

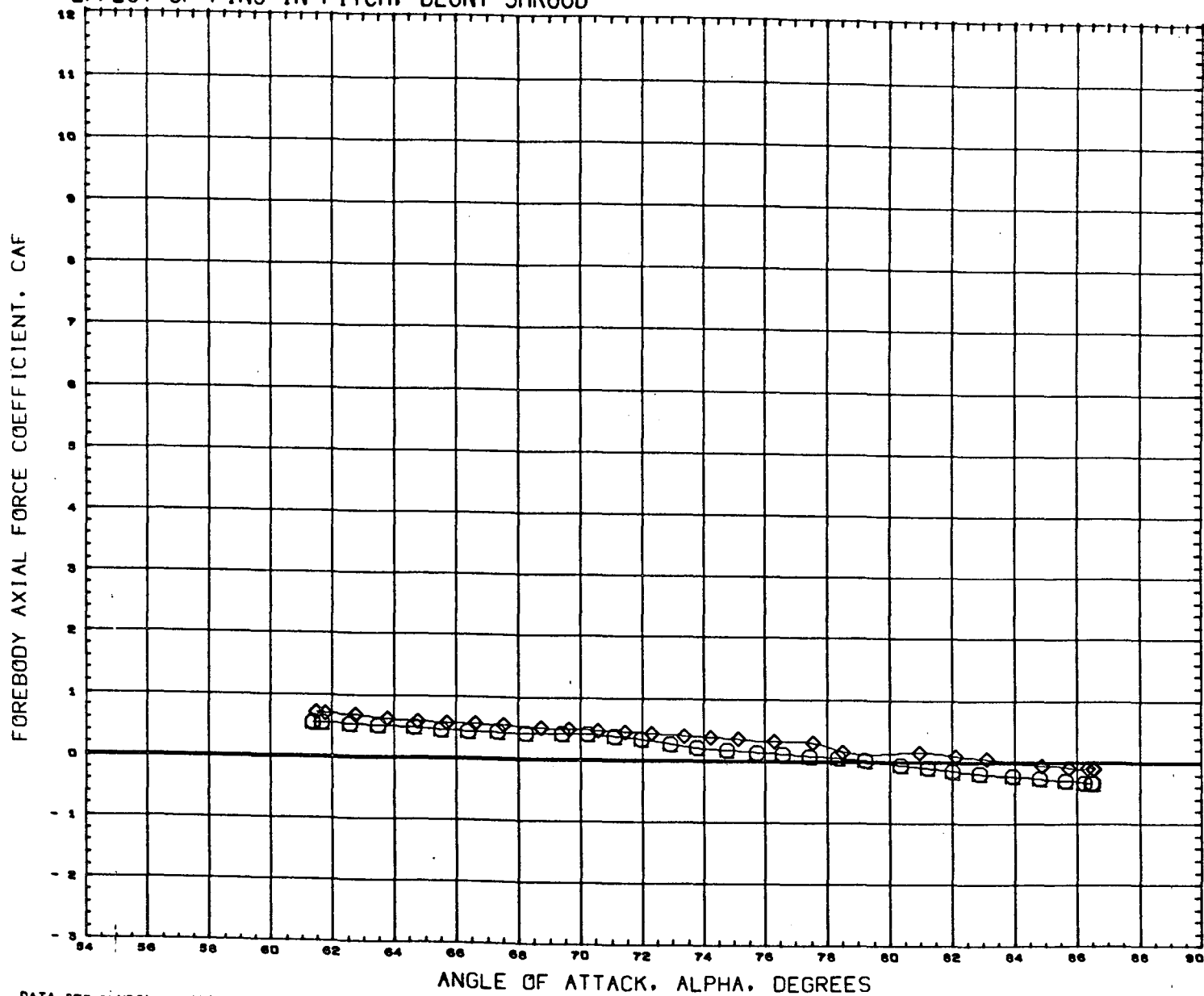


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8932)	BTWT 1282/BSWT 557 PR-FED BRB B5S5	0.000		SREF	9.7500 SQ. IN.
(RD8942)	BTWT 1282/BSWT 557 PR-FED BRB B5S5V8	0.000		LREF	14.6630 INCHES
(RD8952)	BTWT 1282/BSWT 557 PR-FED BRB B5S5V9	0.000		BREF	14.6630 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD



DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
(RD8932)      BTWT 1262/BSWT 557      PR-FED BRB      B5S5  
(RD8942)      DATA NOT AVAILABLE FOR ALL CONDITIONS  
(RD8952)      BTWT 1262/BSWT 557      PR-FED BRB      B5S5V9

BETA      DELTAV  
0.000  
0.000  
0.000

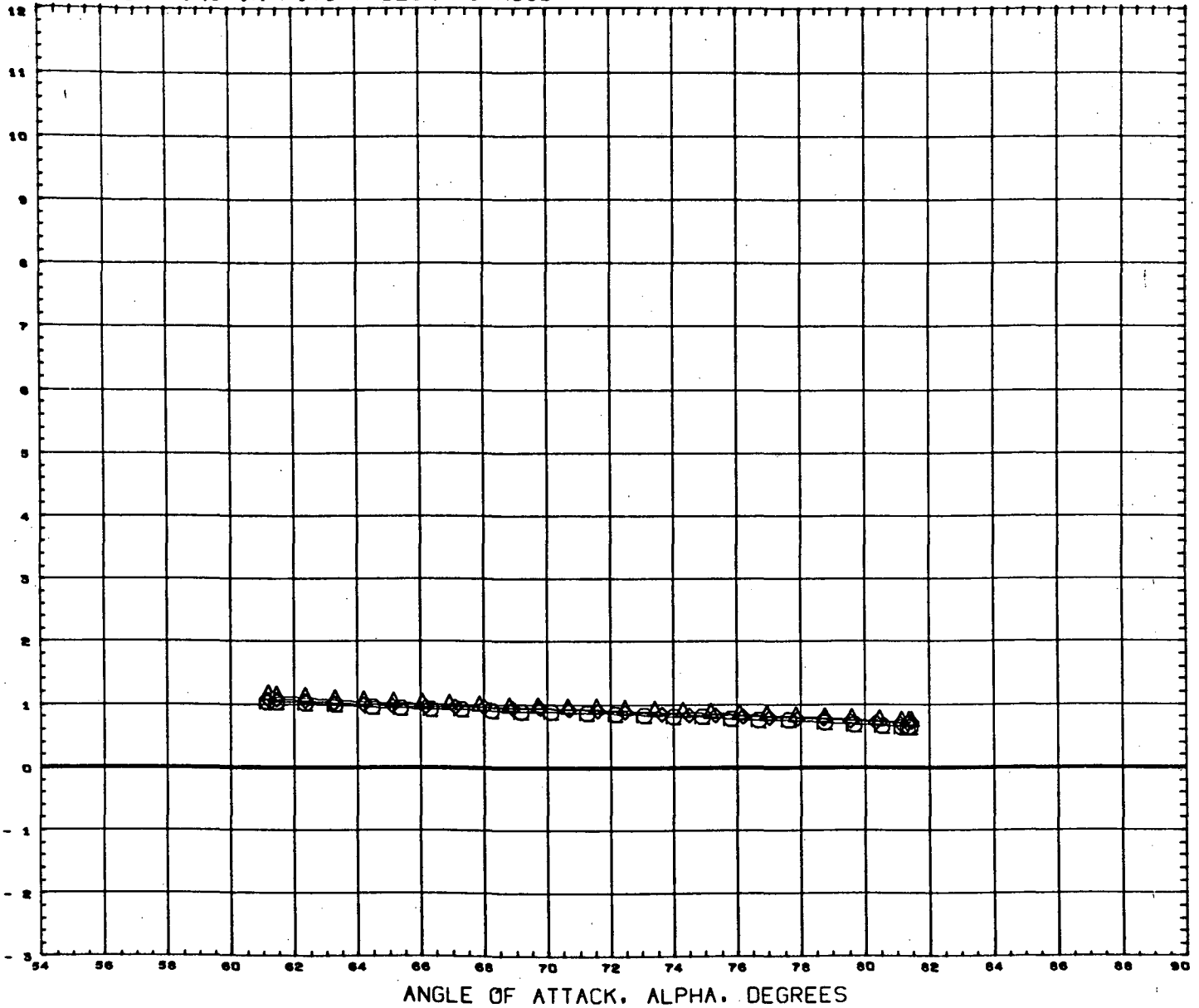
REFERENCE INFORMATION  
SREF      9.7500      SQ. IN.  
LREF      14.6630      INCHES  
BREF      14.6630      INCHES  
XMRP      0.6000      LBODY  
YMRP      0.0000      INCHES  
ZMRP      0.0000      INCHES  
SCALE      0.6699      PERCENT

MACH      1.60

PAGE      510

# EFFECT OF FINS IN PITCH, BLUNT SHROUD

FOREBODY AXIAL FORCE COEFFICIENT, CAF

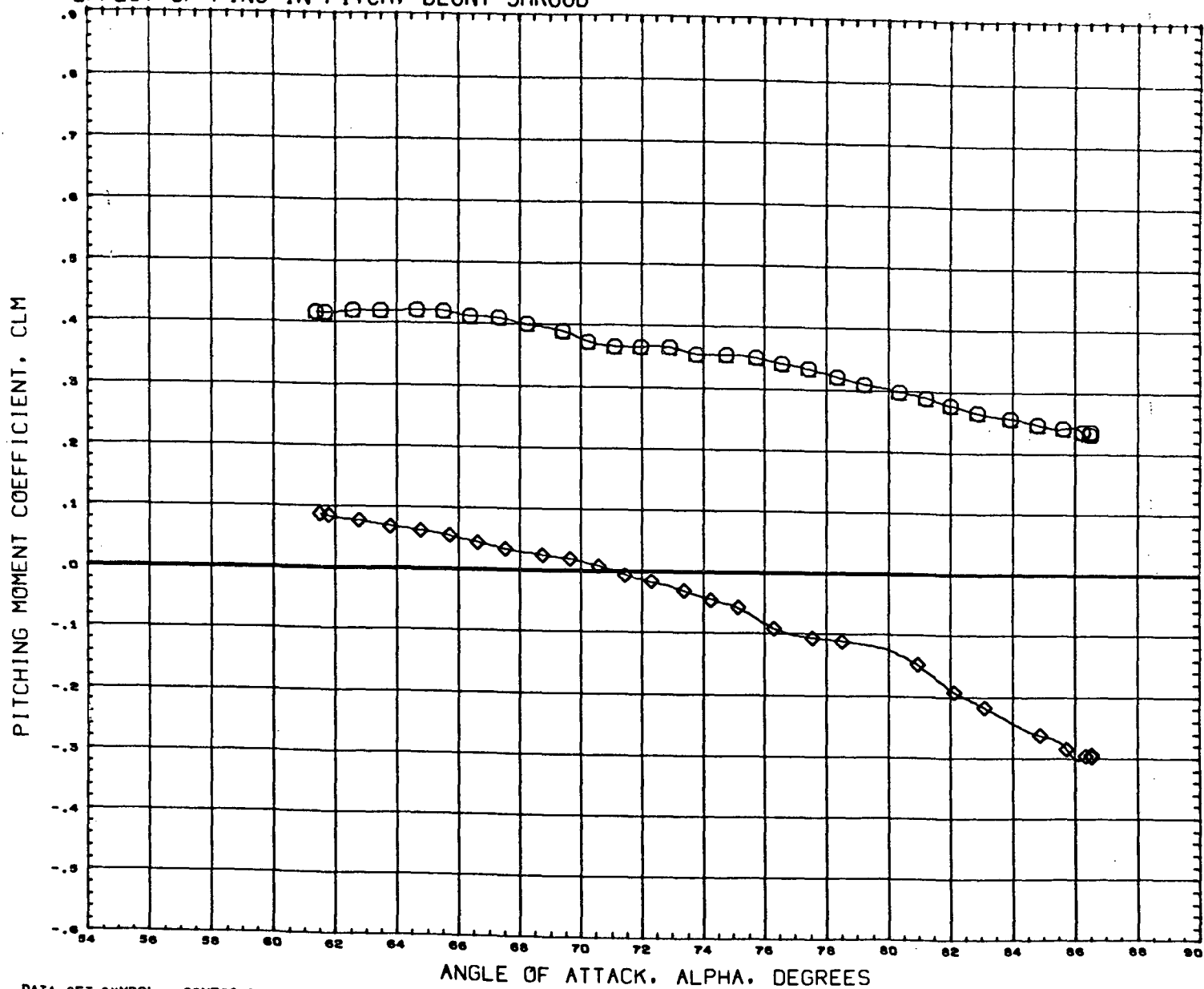


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8932)	BTWT 1282/BSWT 557 PR-FED BRB B5S5	0.000		SREF	9.7500 SQ. IN.
(RD8942)	BTWT 1282/BSWT 557 PR-FED BRB B5S5V8	0.000		LREF	14.6830 INCHES
(RD8952)	BTWT 1282/BSWT 557 PR-FED BRB B5S5V9	0.000		BREF	14.6830 INCHES
				XMRF	0.6000 LBODY
				YMRF	0.0000 INCHES
				ZMRF	0.0000 INCHES
				SCALE	0.6899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RD8932)    ○    BTWT 1202/BSWT 557    PR-FED BRB    B555  
 (RD8942)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD8952)    ◇    BTWT 1202/BSWT 557    PR-FED BRB    B555V9

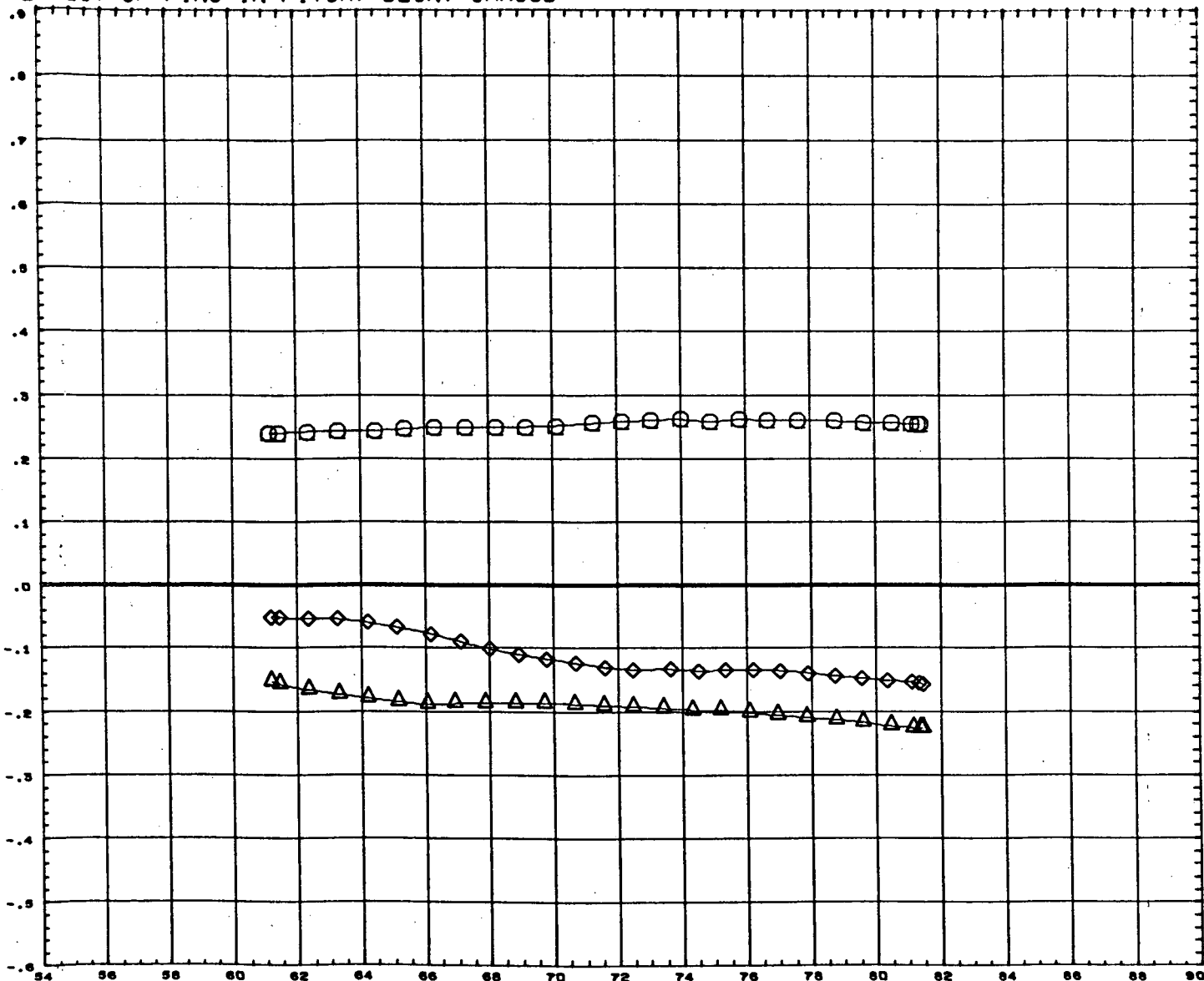
BETA    DELTAV  
 0.000  
 0.000  
 0.000

REFERENCE INFORMATION  
 SREF    9.7500    SQ. IN.  
 LREF    14.6630    INCHES  
 BREF    14.6630    INCHES  
 XMRP    0.6000    LBODY  
 YMRP    0.0000    INCHES  
 ZMRP    0.0000    INCHES  
 SCALE    0.8699    PERCNT

MACH    1.60

# EFFECT OF FINS IN PITCH, BLUNT SHROUD

PITCHING MOMENT COEFFICIENT, CLM



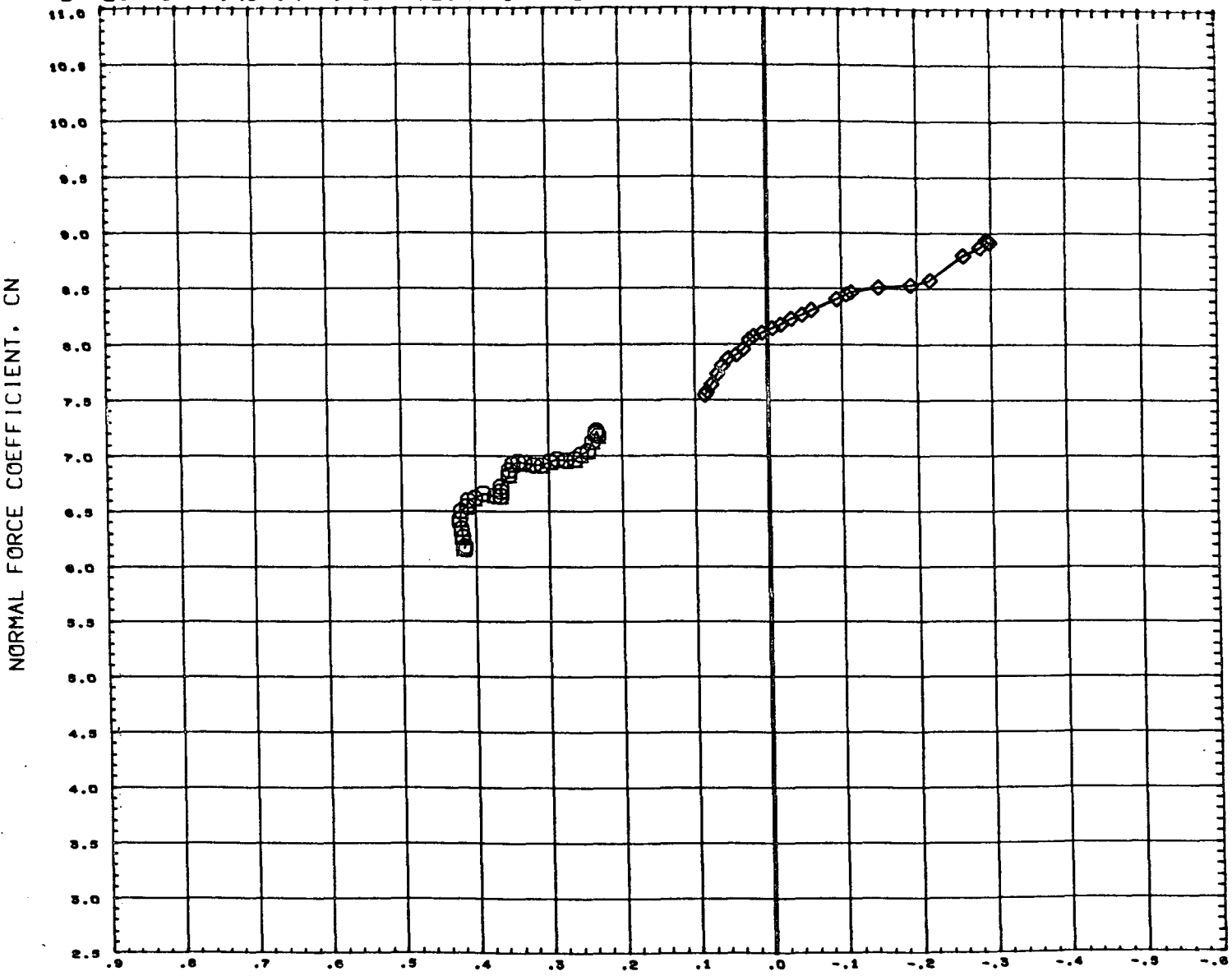
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8932)	BTWT 1282/BSWT 557 PR-FED BR8 B5S5	0.000		SREF	9.7500 SQ. IN.
(RD8942)	BTWT 1282/BSWT 557 PR-FED BR8 B5S5V8	0.000		LREF	14.6830 INCHES
(RD8952)	BTWT 1282/BSWT 557 PR-FED BR8 B5S5V9	0.000		BREF	14.6830 INCHES
				XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD



DATA SET SYMBOL    CONFIGURATION DESCRIPTION

(RD8932)	○	BTWT 1282/BSWT 557	PR-FED BRB	B5S5
(RD8942)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		
(RD8952)	◇	BTWT 1282/BSWT 557	PR-FED BRB	B5S5V9

BETA	DELTA V
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0.000	
0.000	

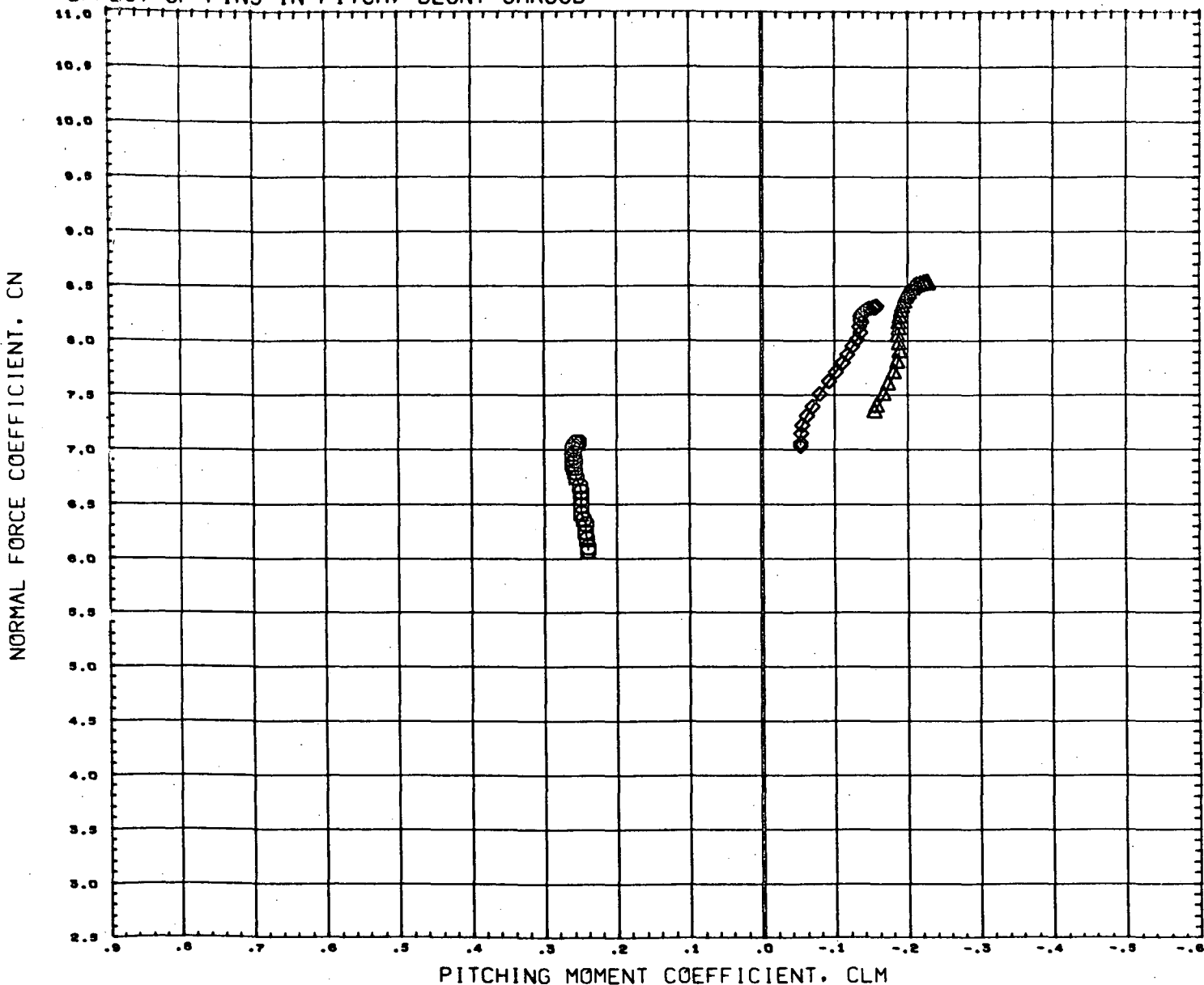
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LEOBY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6669	PERCENT

MACH: 1.60

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD



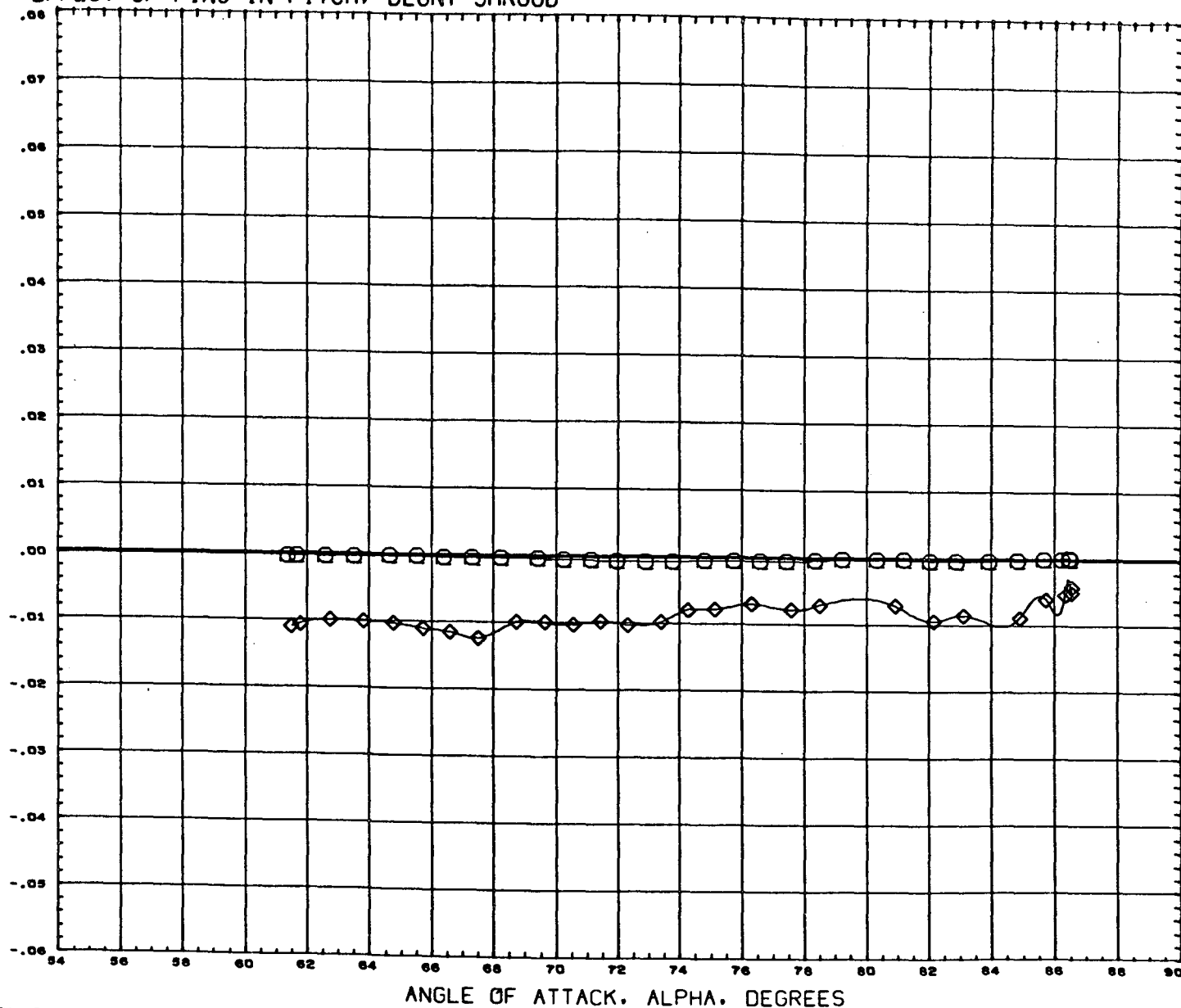
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V	REFERENCE INFORMATION	
(RD8932)	BTWT 1262/BSWT 557	PR-FED BRB	B5S5		0.000		SREF	9.7500 SQ. IN.
(RD8942)	BTWT 1262/BSWT 557	PR-FED BRB	B5S5V8		0.000		LREF	14.6630 INCHES
(RD8952)	BTWT 1262/BSWT 557	PR-FED BRB	B5S5V9		0.000		BREF	14.6630 INCHES
							XMRP	0.6000 LBODY
							YMRP	0.0000 INCHES
							ZMRP	0.0000 INCHES
							SCALE	0.6699 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8932) ○	BTWT 1282/BSWT 557 PR-FED BRB B5S3
(RD8942) △	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8932) ◇	BTWT 1282/BSWT 557 PR-FED BRB B5S5V9

BETA	DELTAV
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

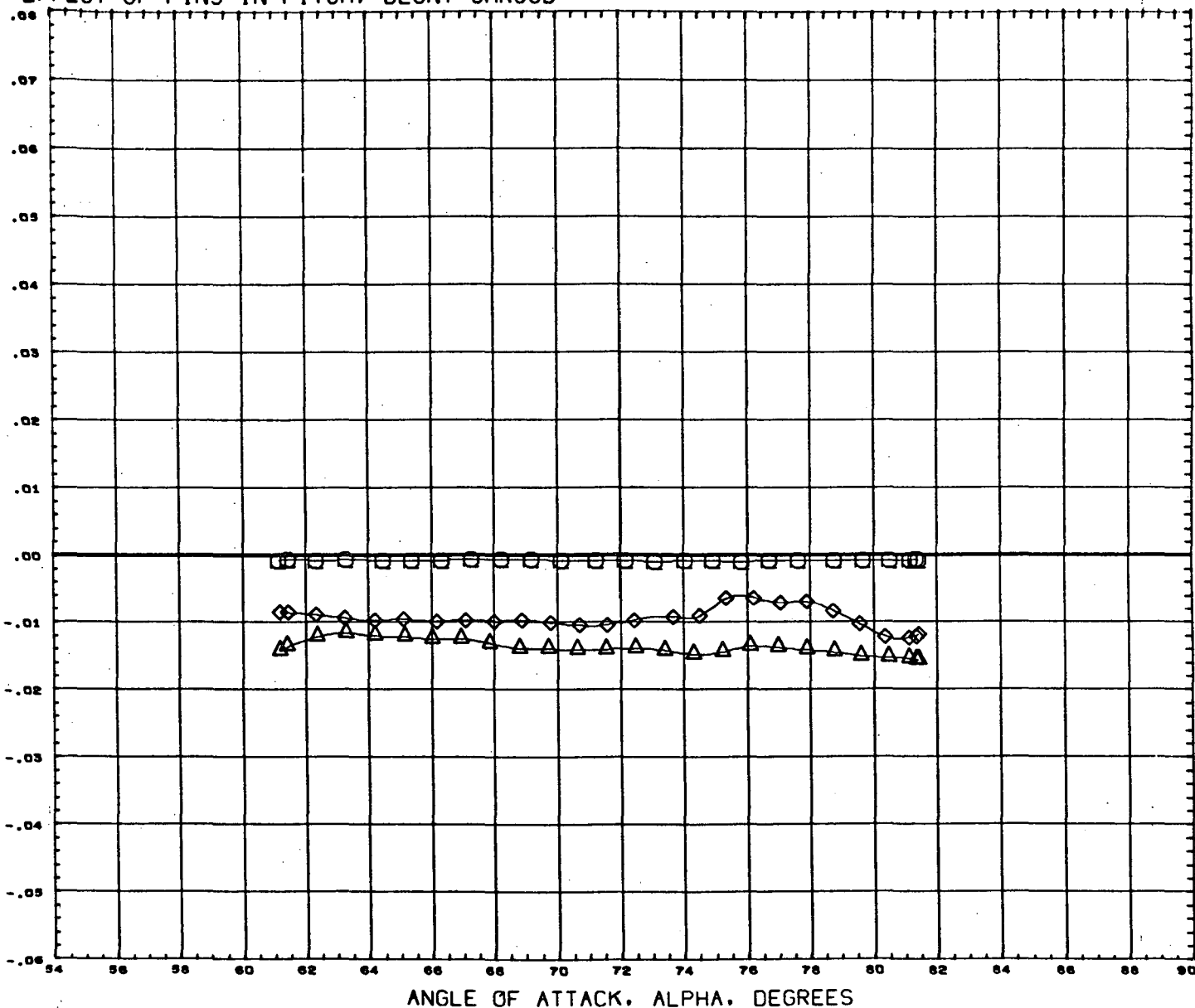
MACH 1.60

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8932)	BTWT 1282/BSWT 557 PR-FED BRB B555
(RD8942)	BTWT 1282/BSWT 557 PR-FED BRB B555V8
(RD8952)	BTWT 1282/BSWT 557 PR-FED BRB B555V9

BETA	DELTA V
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0.000	
0.000	

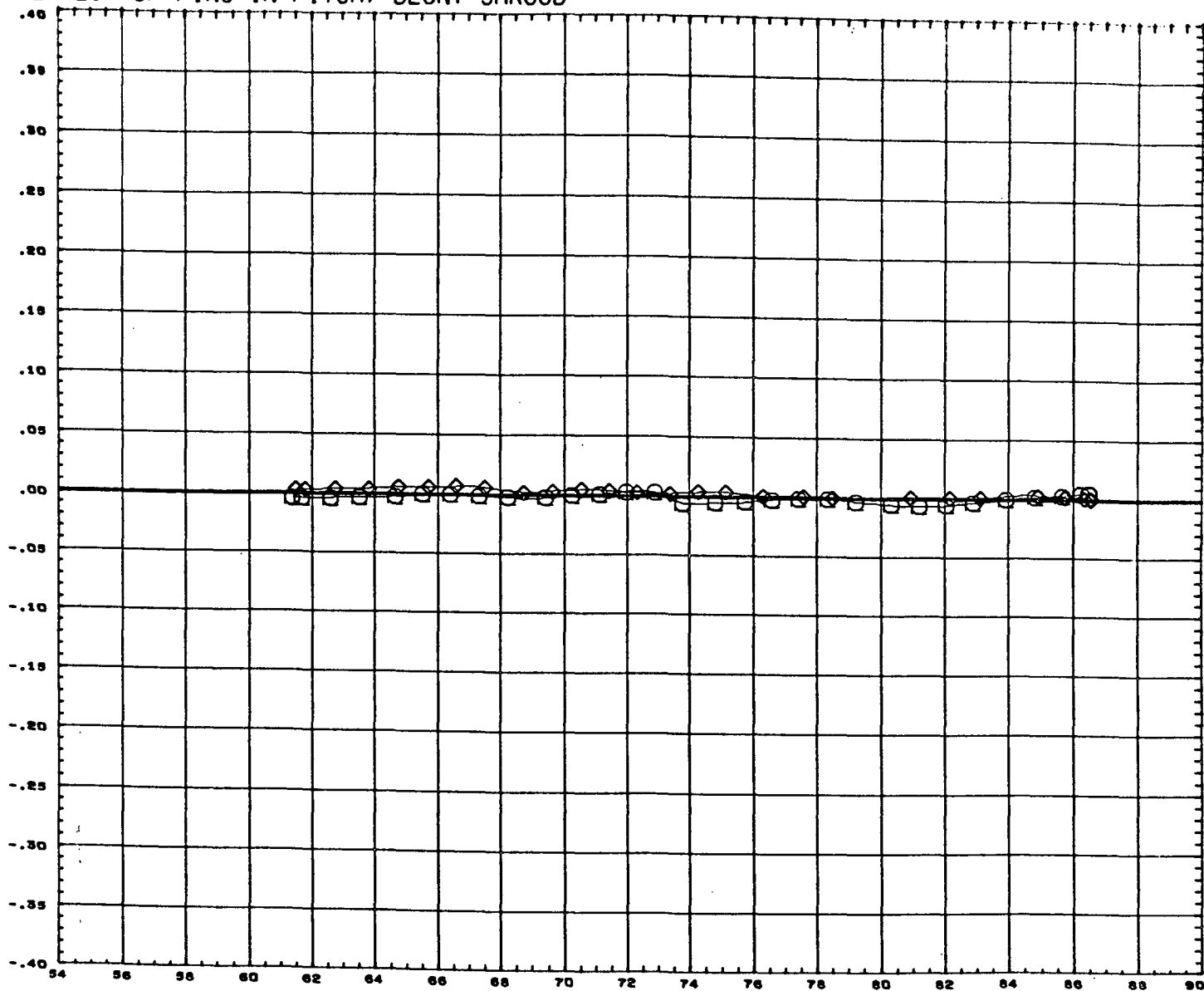
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8932)	BTWT 1262/BSWT 557 PR-FED BRB B5S3
(RD8942)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8952)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V9

BETA	DELTAV
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0.000	
0.000	

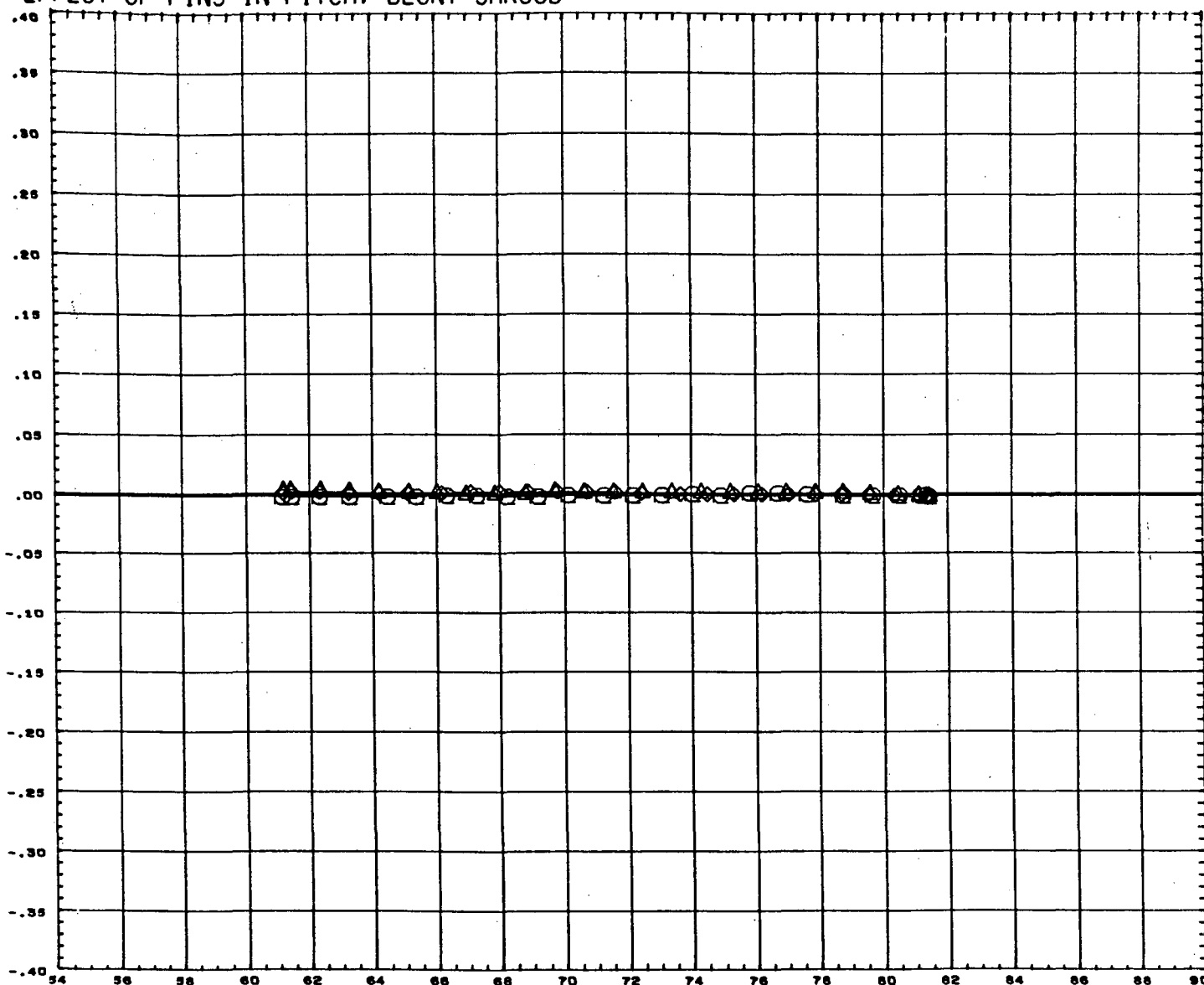
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



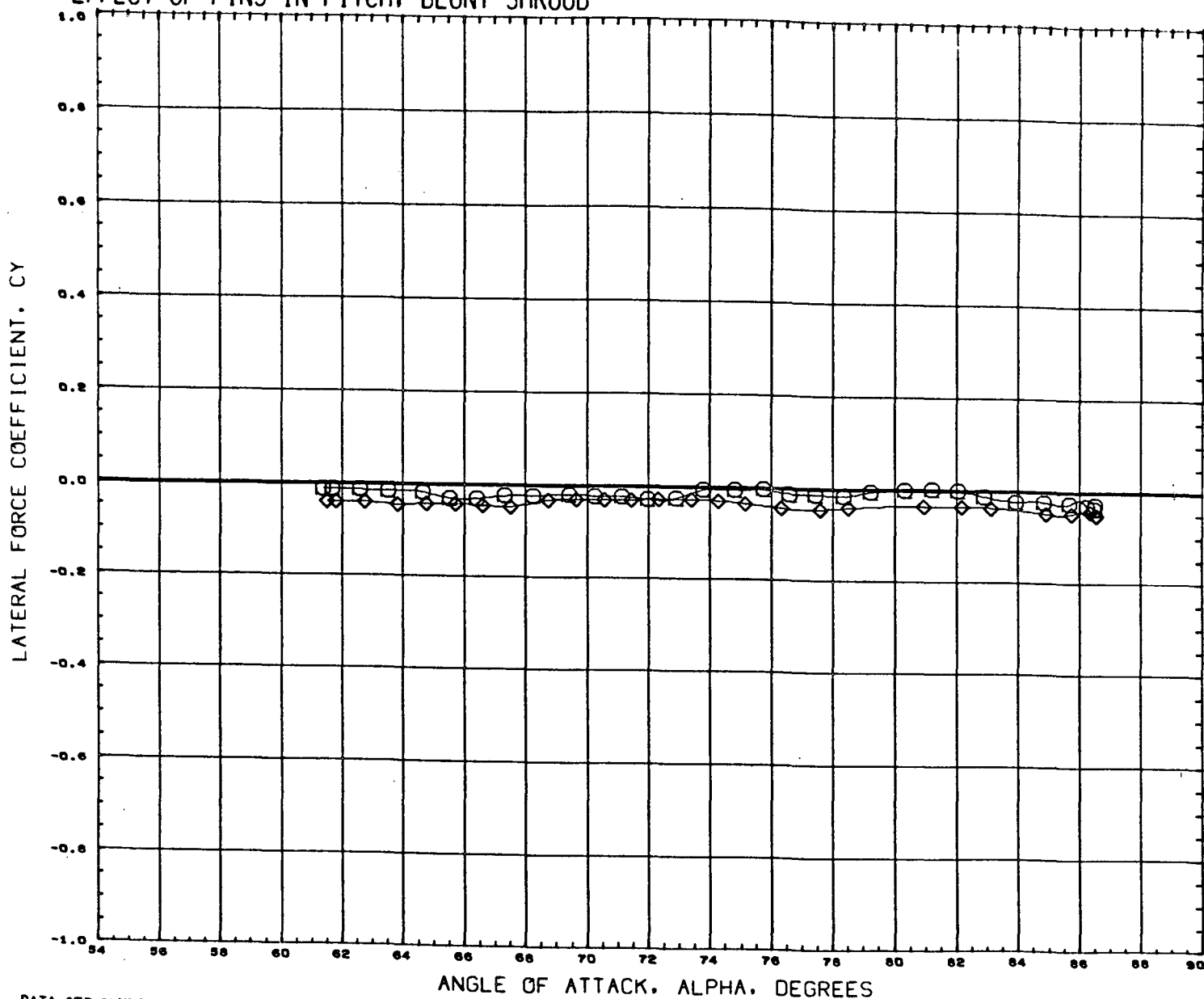
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(RD8932)	BTWT 1262/BSWT 557 PR-FED BRB B5S5	0.000		SREF 9.7500 SQ. IN.
(RD8942)	BTWT 1262/BSWT 557 PR-FED BRB B5S5V8	0.000		LREF 14.6630 INCHES
(RD8952)	BTWT 1262/BSWT 557 PR-FED BRB B5S5V9	0.000		BREF 14.6630 INCHES
				XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.51

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8932)	BTWT 1202/BSWT 557 PR-FED BRB B555
(RD8942)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8952)	BTWT 1202/BSWT 557 PR-FED BRB B555V9

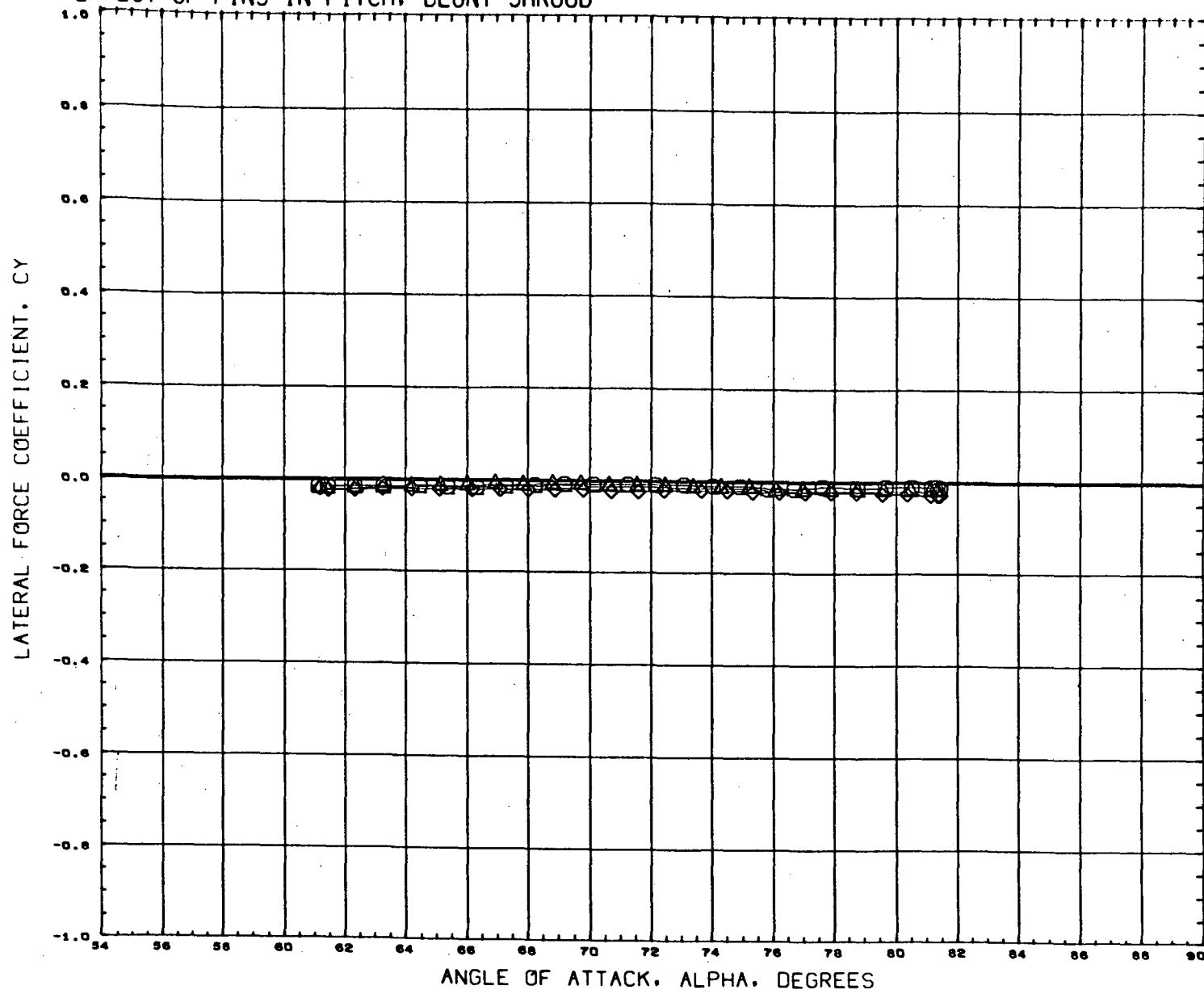
BETA	DELTAV
0.000	
0.000	
0.000	




REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.60

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# EFFECT OF FINS IN PITCH, BLUNT SHROUD



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8932) 	BTWT 1282/BSWT 557 PR-FED BRB 85S5
(RD8942) 	BTWT 1282/BSWT 557 PR-FED BRB 85S5V8
(RD8952) 	BTWT 1282/BSWT 557 PR-FED BRB 85S5V9

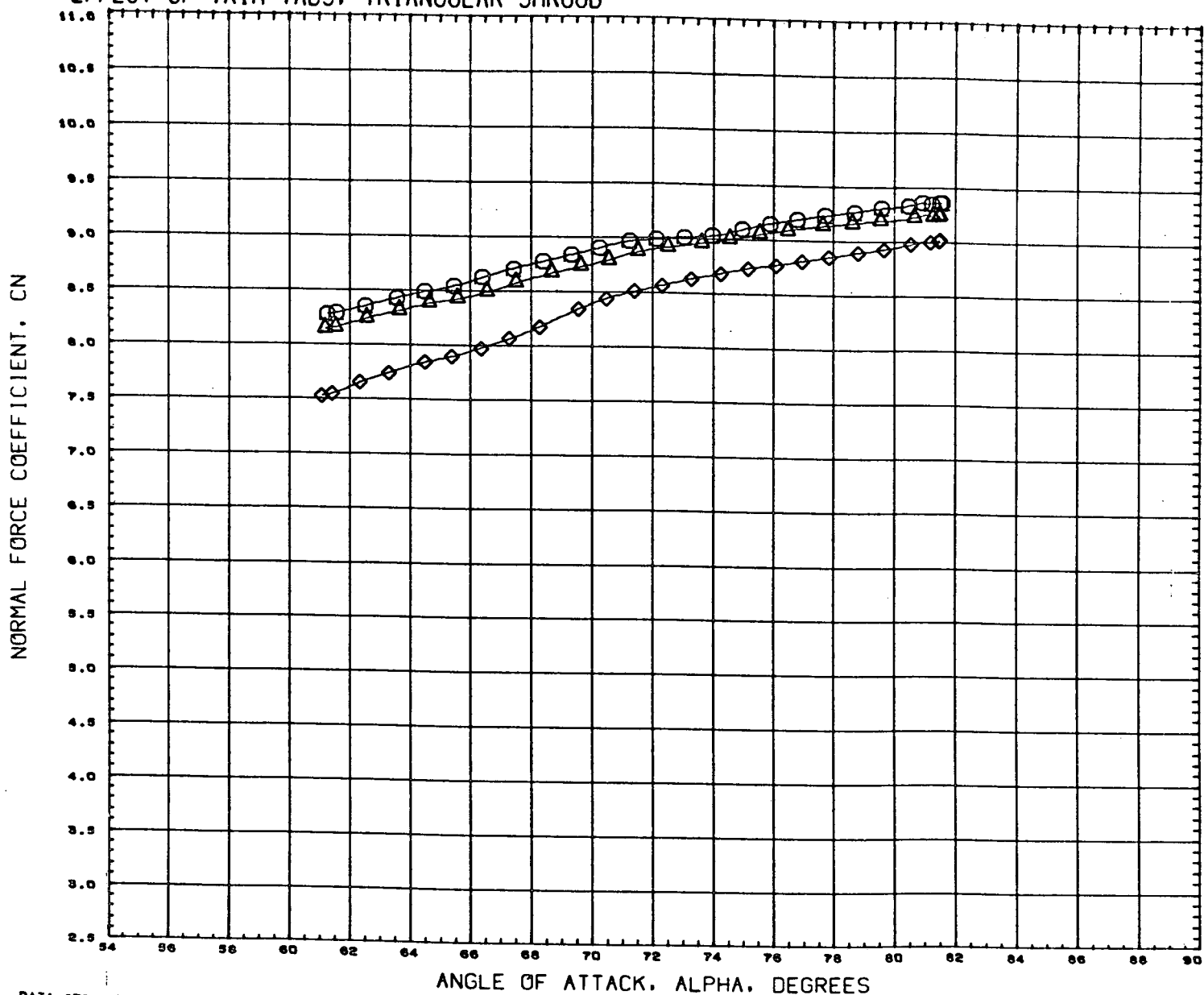
BETA	DELTAV
0.000	
0.000	
0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# EFFECT OF TRIM TABS, TRIANGULAR SHROUD



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RD8902)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7
(RD8912)	△	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T1 (30)
(RD8922)	◇	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T2 (75)

BETA	DELTAV
0.000	
0.000	
0.000	

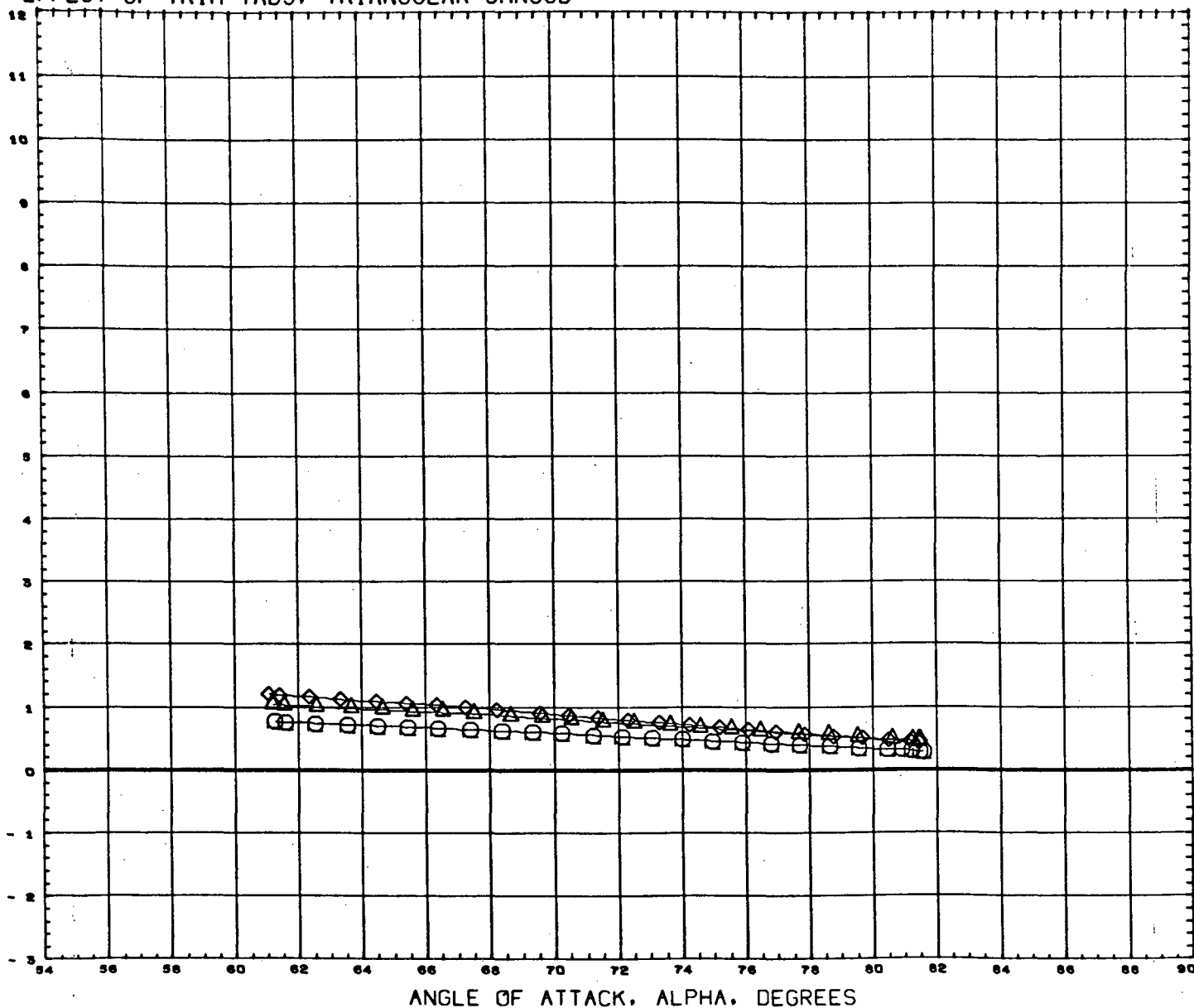
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCNT

MACH 3.51

PAGE 522

# EFFECT OF TRIM TABS, TRIANGULAR SHROUD

FOREBODY AXIAL FORCE COEFFICIENT, CAF



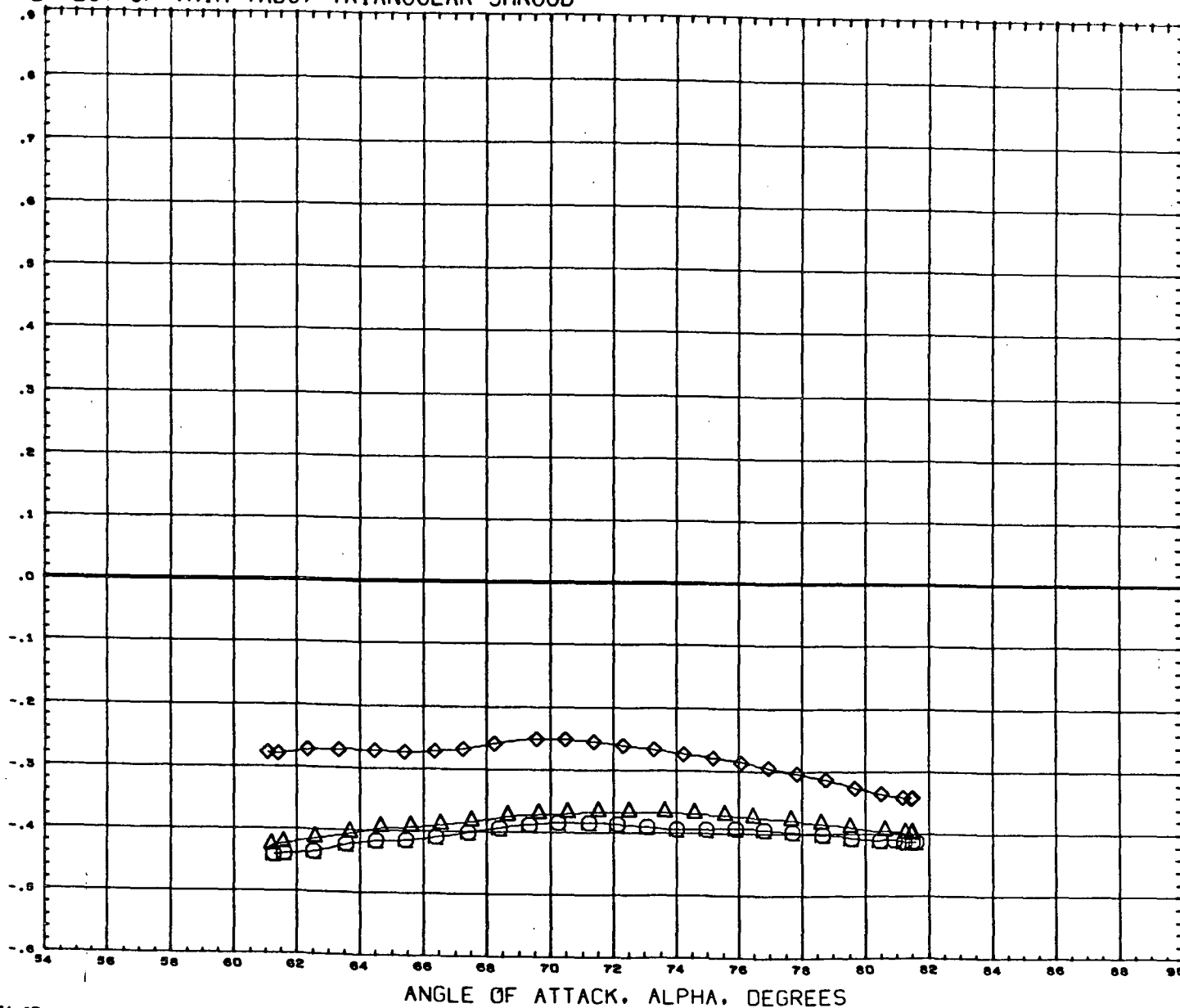
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(RD8902)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7	0.000		SREF	9.7500 SQ. IN.
(RD8912)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T1 (30)	0.000		LREF	14.6830 INCHES
(RD8922)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T2 (75)	0.000		BREF	14.6830 INCHES
				XMRP	0.0000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.0000 PERCENT

MACH 3.51

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# EFFECT OF TRIM TABS, TRIANGULAR SHROUD

PITCHING MOMENT COEFFICIENT, CLM

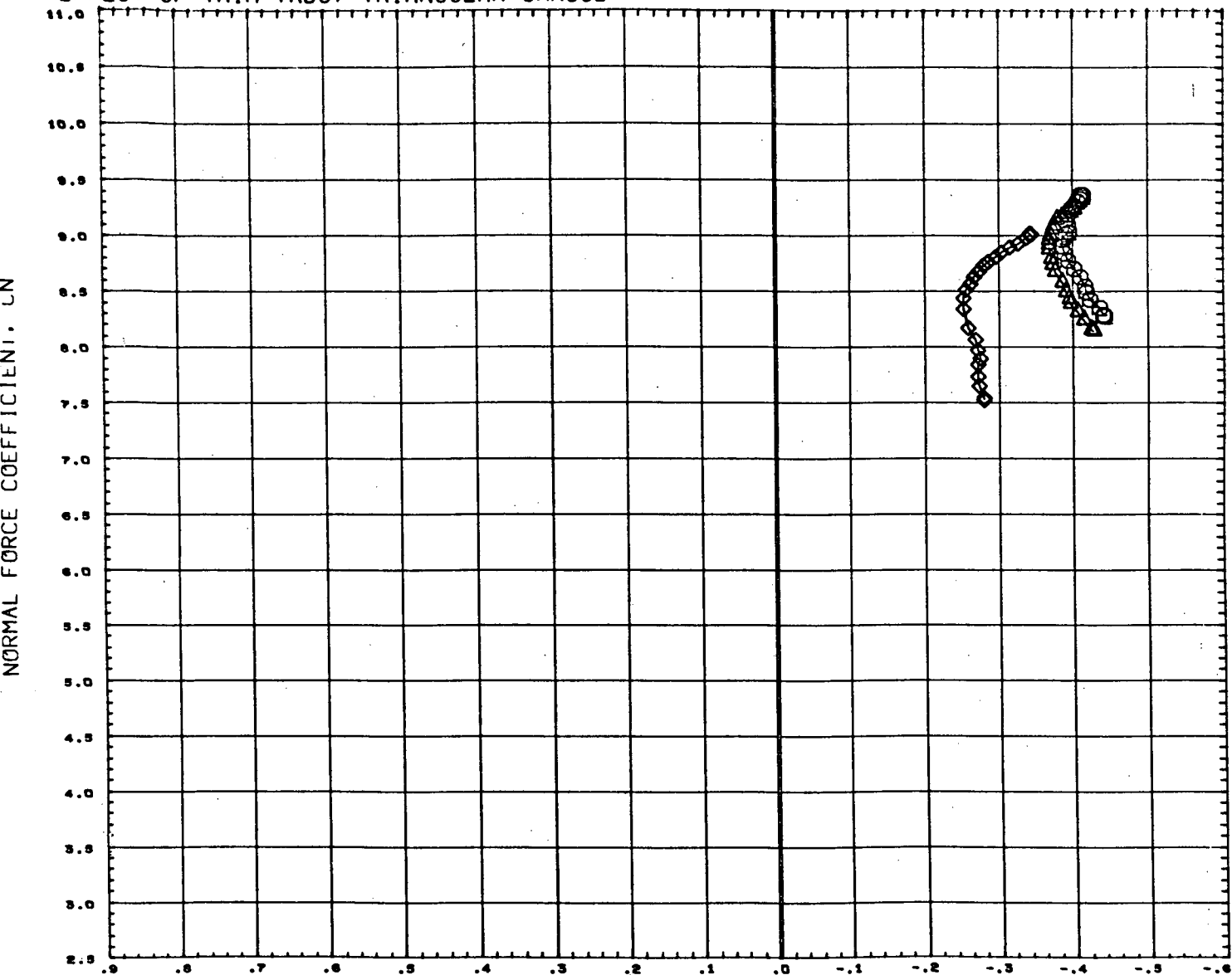


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD8902)	BTWT 1282/BSWT 557	0.000		SREF	9.7500 SQ. IN.
(RD8912)	BTWT 1282/BSWT 557	0.000		LREF	14.6830 INCHES
(RD8922)	BTWT 1282/BSWT 557	0.000		BREF	14.6830 INCHES
	PR-FED BRB	0.000		XMRP	0.6000 LBODY
	BSS4V7	0.000		YMRP	0.0000 INCHES
	BSS4V7T1 (30)	0.000		ZMRP	0.0000 INCHES
	BSS4V7T2 (75)	0.000		SCALE	0.6699 PERCNT

MACH 3.51



# EFFECT OF TRIM TABS, TRIANGULAR SHROUD



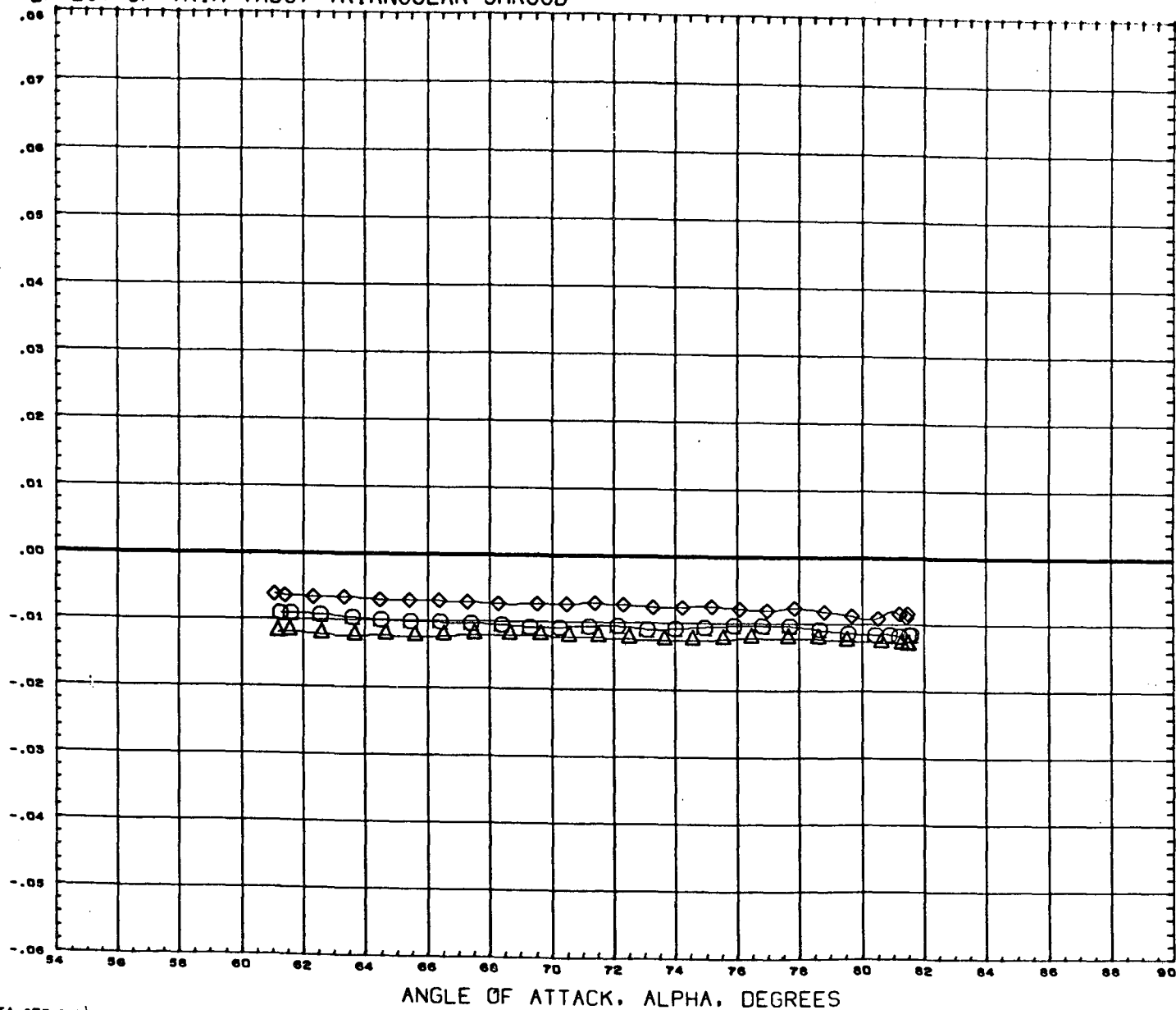
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(R08902)	BTWT 1262/BSWT 557 PR-FED BRB 85S4V7	0.000		SREF	9.7500 SQ. IN.
(R08912)	BTWT 1262/BSWT 557 PR-FED BRB 85S4V7T1 (30)	0.000		LREF	14.6830 INCHES
(R08922)	BTWT 1262/BSWT 557 PR-FED BRB 85S4V7T2 (75)	0.000		BREF	14.6830 INCHES
				XMRP	0.8000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCNT

MACH 3.51

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# EFFECT OF TRIM TABS, TRIANGULAR SHROUD

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

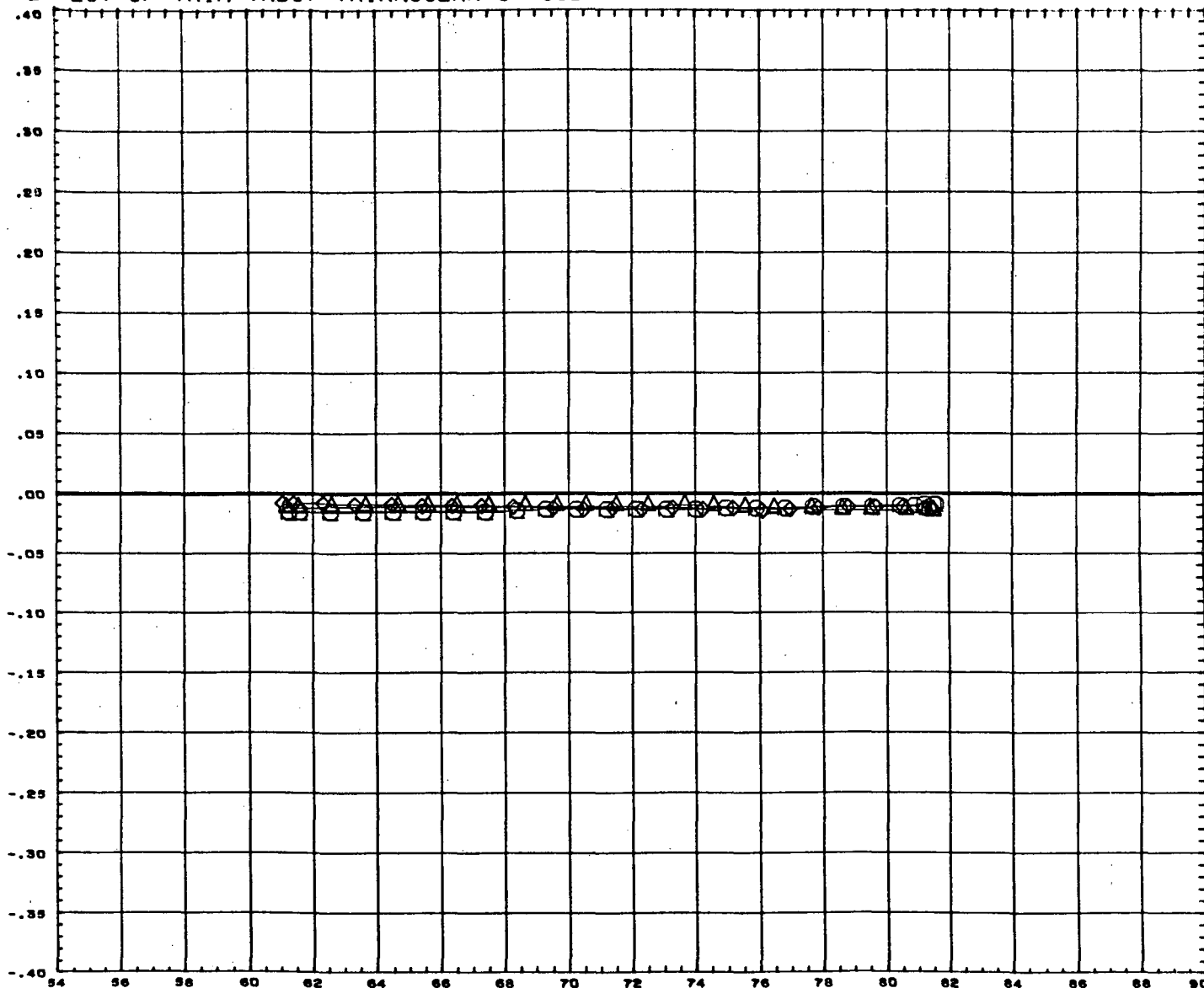


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD6902)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7	0.000		SREF	9.7500 SQ. IN.
(RD6912)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T1 (30)	0.000		LREF	14.6830 INCHES
(RD6922)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T2 (75)	0.000		BREF	14.6830 INCHES
				XMRF	0.6000 LBODY
				YMRF	0.0000 INCHES
				ZMRF	0.0000 INCHES
				SCALE	0.6899 PERCENT

MACH 3.51

# EFFECT OF TRIM TABS, TRIANGULAR SHROUD

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



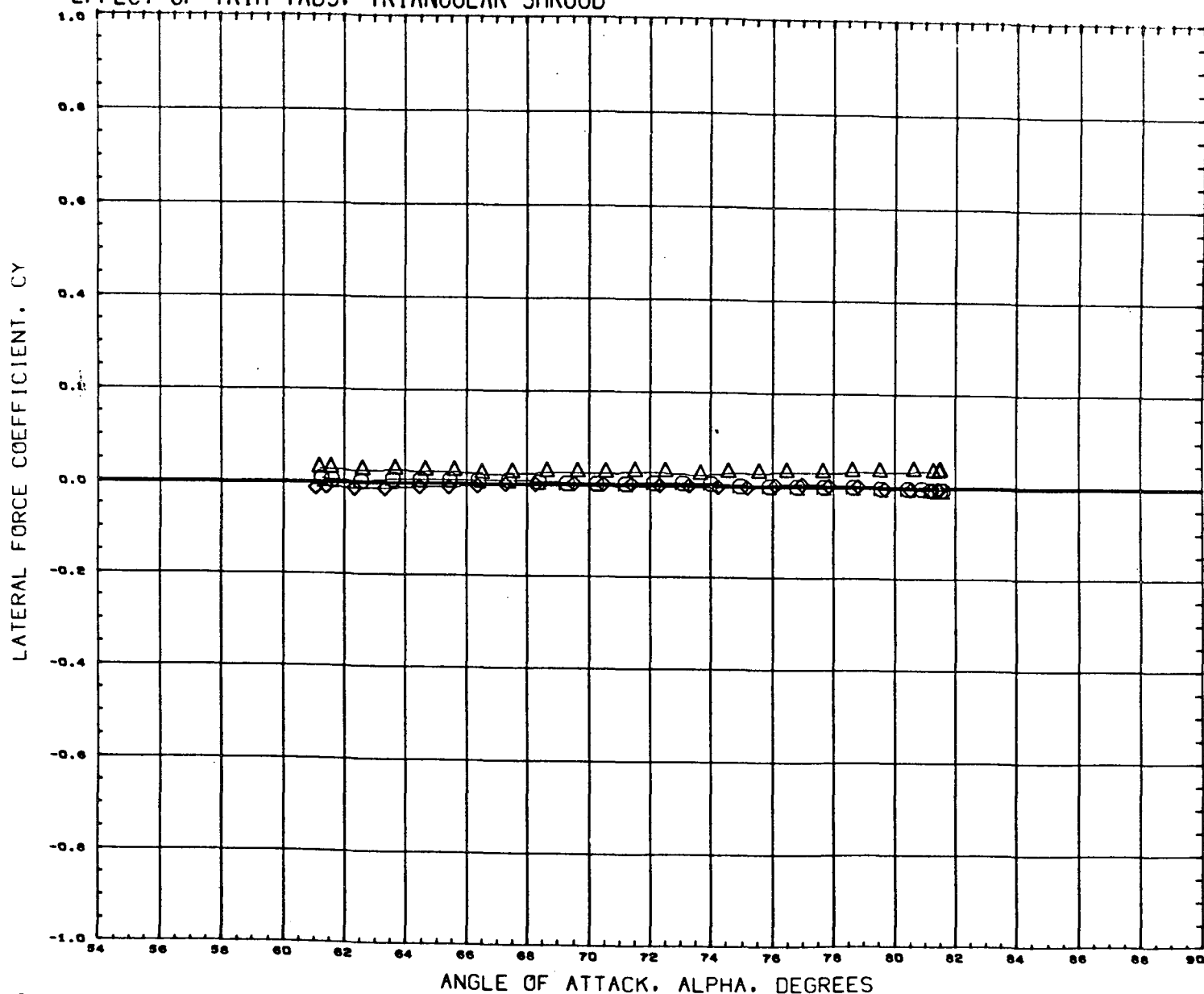
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(RD8902)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7	0.000		SREF	9.7500 SQ. IN.
(RD8912)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T1 (30)	0.000		LREF	14.6630 INCHES
(RD8922)	BTWT 1282/BSWT 557 PR-FED BRB B5S4V7T2 (75)	0.000		BREF	14.6630 INCHES
				XMRP	0.0000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.51

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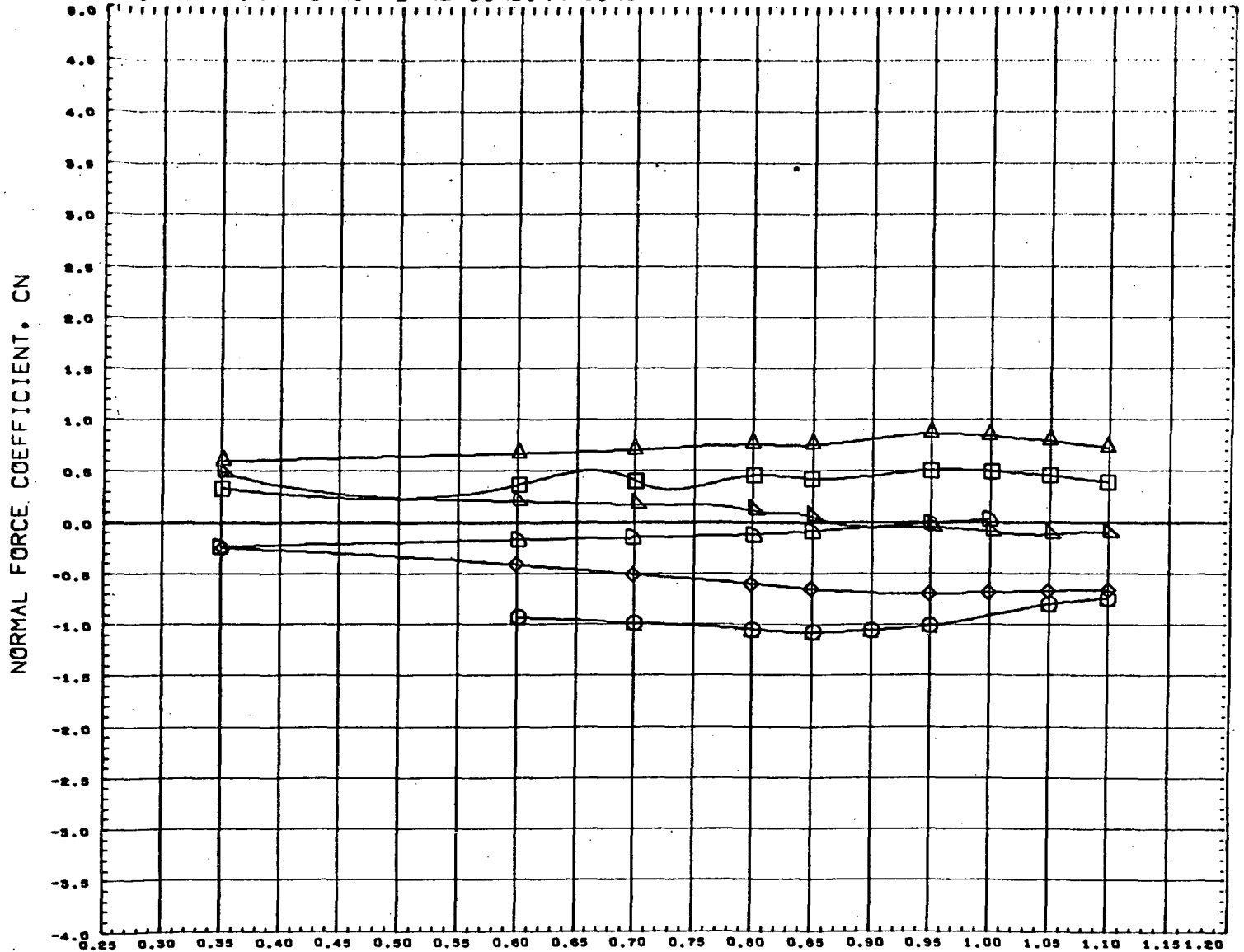
# EFFECT OF TRIM TABS, TRIANGULAR SHROUD



DATA SET SYMBOL				CONFIGURATION DESCRIPTION		BETA	DELTA V	REFERENCE INFORMATION	
(RD8902)	○	BTWT 1282/BSWT 557	PR-FED BRB	B5S4V7		0.000		SREF	9.7500 SQ. IN.
(RD8912)	△	BTWT 1282/BSWT 557	PR-FED BRB	B5S4V7T1 (30)		0.000		LREF	14.6630 INCHES
(RD8922)	◇	BTWT 1282/BSWT 557	PR-FED BRB	B5S4V7T2 (75)		0.000		BREF	14.6630 INCHES
								XMRP	0.6000 LBODY
								YMRP	0.0000 INCHES
								ZMRP	0.0000 INCHES
								SCALE	0.6699 PERCENT

MACH 3.51

# EFFECT OF FIN - DRAG PETAL COMBINATIONS



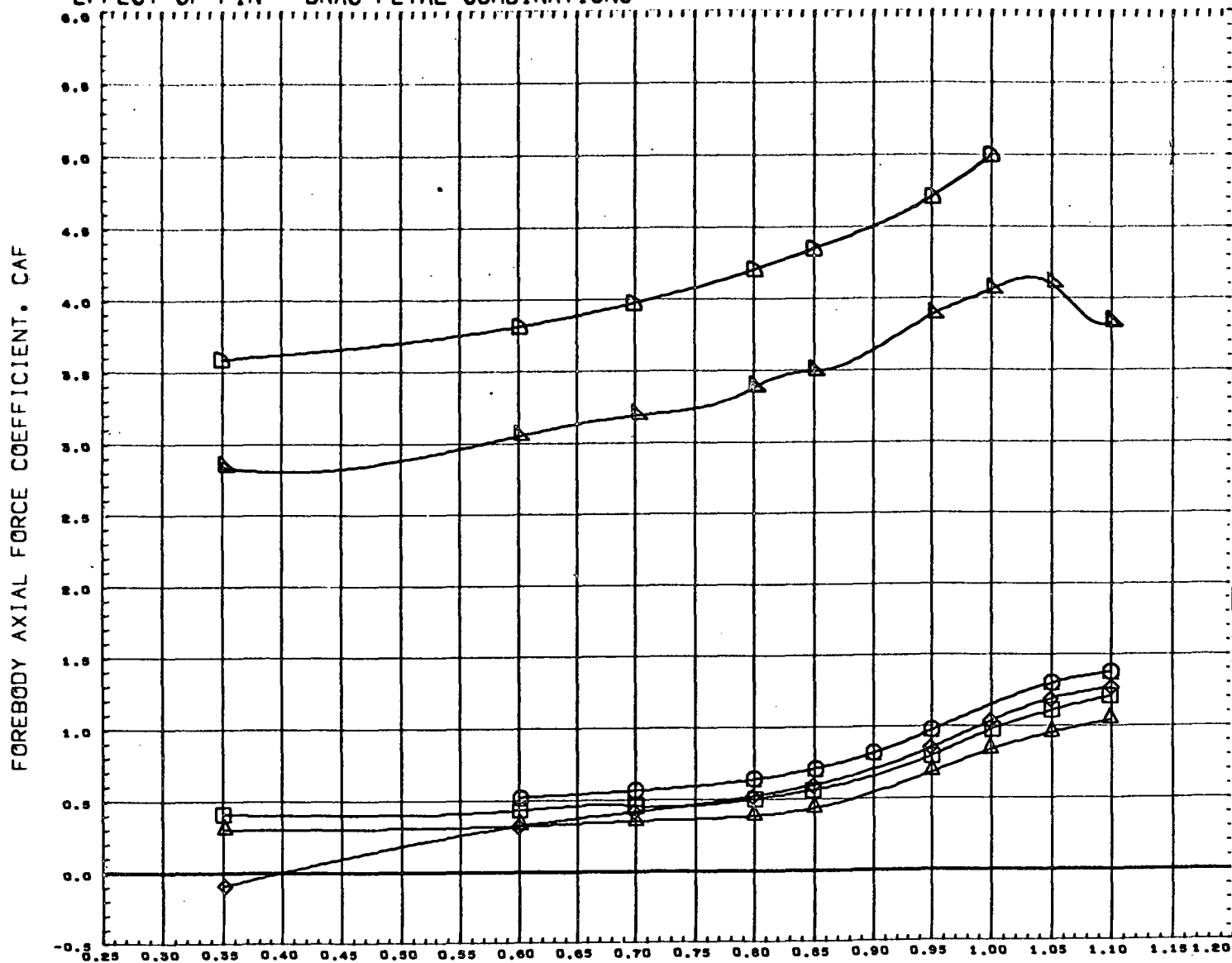
## MACH NUMBER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	DELTAV	REFERENCE INFORMATION	
(RD8559)	BTWT 1262/BSWT 557 PR-FED BRB 8553D1.5V6F	0.000	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8569)	BTWT 1262/BSWT 557 PR-FED BRB 8553D1.7V6	0.000	0.000	0.000	LREF	14.6630 INCHES
(RD8559)	BTWT 1262/BSWT 557 PR-FED BRB 8553D4.5V6	0.000	0.000	0.000	BREF	14.6630 INCHES
(RD8579)	BTWT 1262/BSWT 557 PR-FED BRB 8553D4.7V6	0.000	0.000	0.000	XMRP	0.6000 LBODY
(XD8329)	BTWT 1262/BSWT 557 PR-FED BRB 8553D10.4V6.1	0.000	0.000	0.000	YMRP	0.0000 INCHES
(RD8349)	BTWT 1262/BSWT 557 PR-FED BRB 8553D10.6V6.1	0.000	0.000	0.000	ZMRP	0.0000 INCHES
					SCALE	0.8899 PERCNT

ALPHA - .02

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# EFFECT OF FIN - DRAG PETAL COMBINATIONS



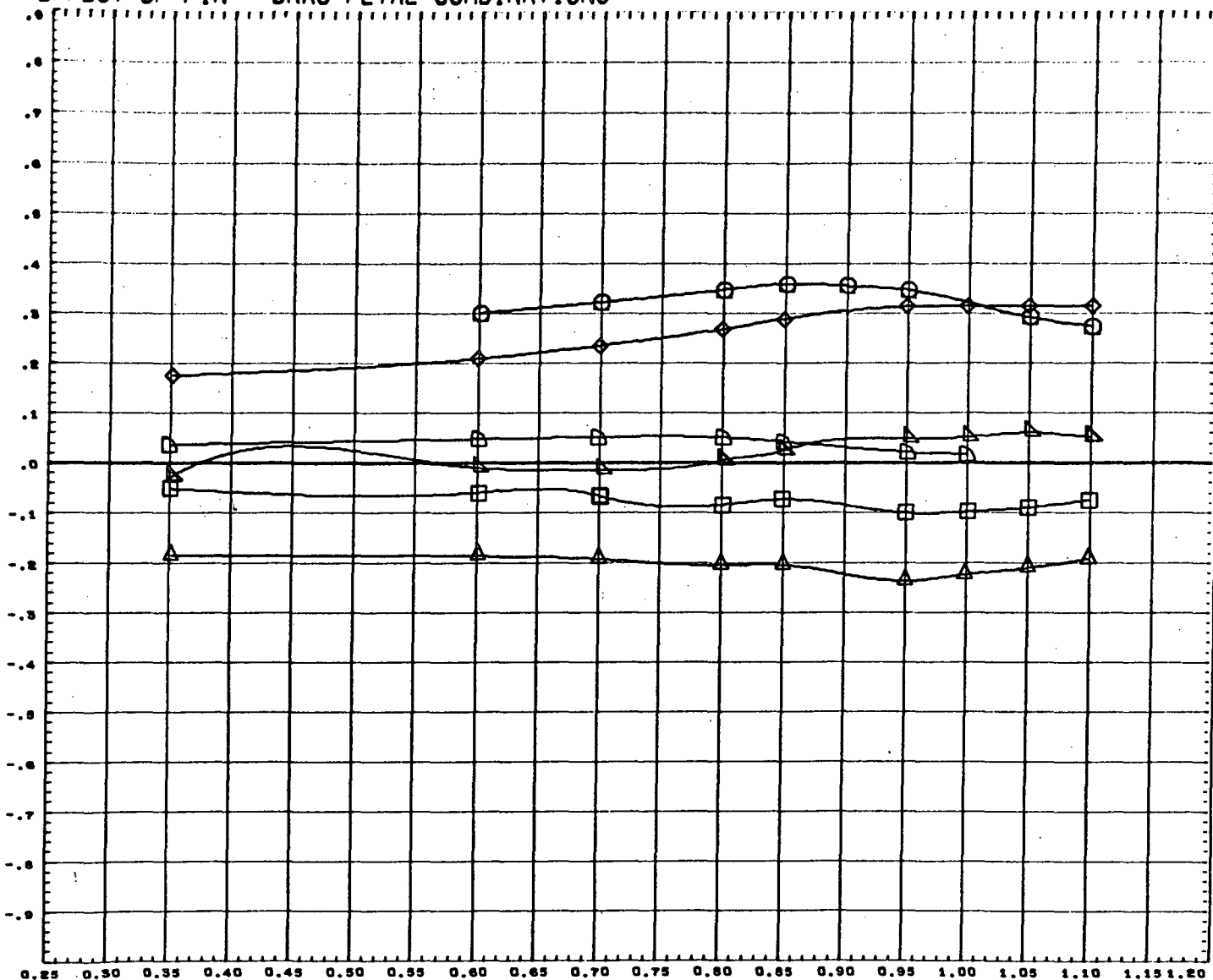
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	DELTAV	REFERENCE INFORMATION	
(RD8559)	BTWT 1282/BSWT 557 PR-FED BRB B553D1.5V6F	0.000	0.000	0.000	SREF	9.7500 SQ.IN.
(RD8560)	BTWT 1282/BSWT 557 PR-FED BRB B553D1.7V6	0.000	0.000	0.000	LREF	14.6830 INCHES
(RD8559)	BTWT 1282/BSWT 557 PR-FED BRB B553D4.5V6	0.000	0.000	0.000	BREF	14.6830 INCHES
(RD8379)	BTWT 1282/BSWT 557 PR-FED BRB B553D4.7V6	0.000	0.000	0.000	XMRP	0.6000 LBODY
(XD8329)	BTWT 1282/BSWT 557 PR-FED BRB B553D10.4V6.1	0.000	0.000	0.000	YMRP	0.0000 INCHES
(RD8349)	BTWT 1282/BSWT 557 PR-FED BRB B553D10.6V6.1	0.000	0.000	0.000	ZMRP	0.0000 INCHES
					SCALE	0.8699 PERCENT

ALPHA - .02

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# EFFECT OF FIN - DRAG PETAL COMBINATIONS

PITCHING MOMENT COEFFICIENT, CLM



MACH NUMBER

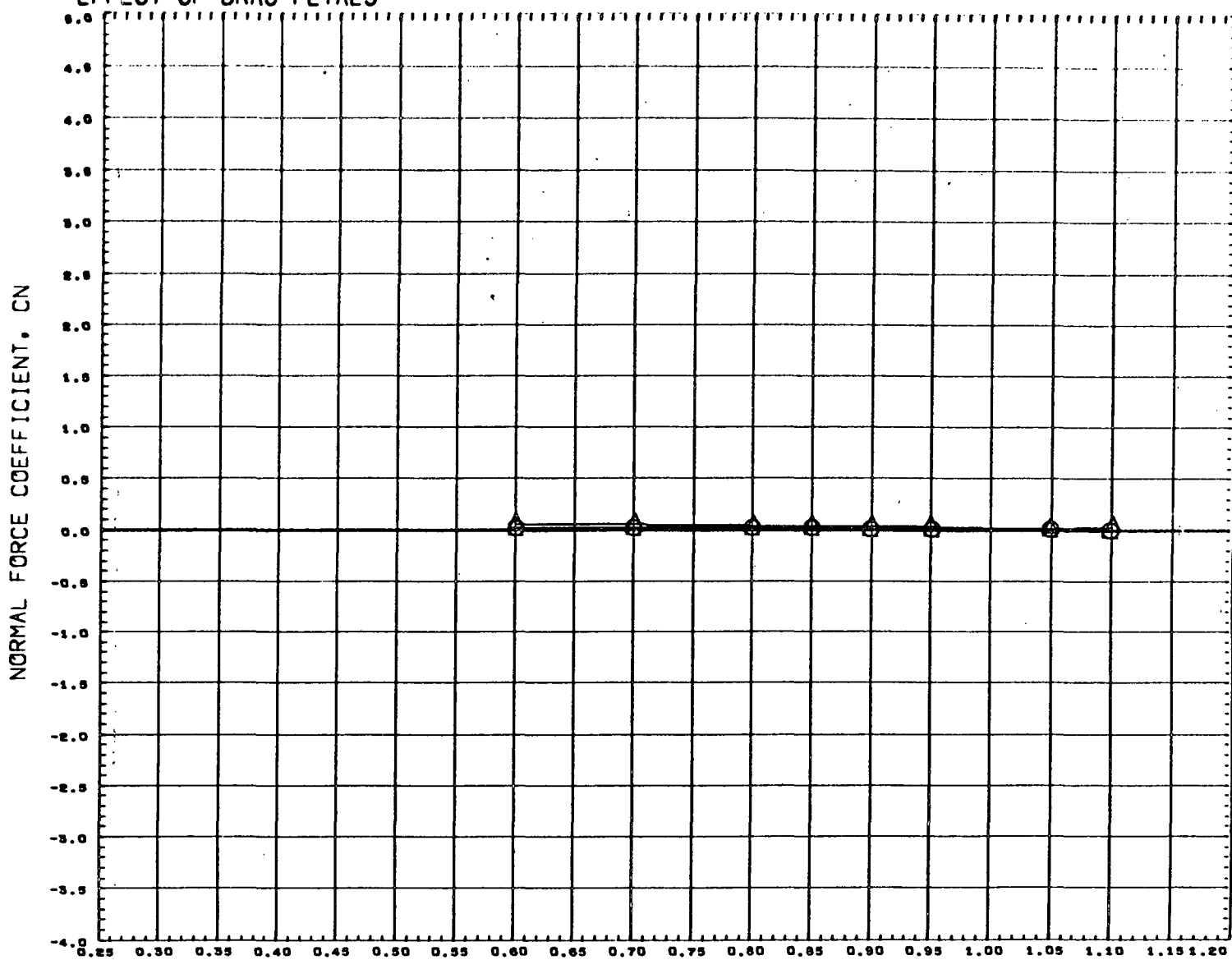
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	DELTA V	REFERENCE INFORMATION	
(RD8559)	BTWT 1282/BSWT 557 PR-FED BRB 8553D1.5V6F	0.000	0.000	0.000	SREF	9.7500 SQ.IN.
(RD8389)	BTWT 1282/BSWT 557 PR-FED BRB 8553D1.7V6	0.000	0.000	0.000	LREF	14.6830 INCHES
(RD8359)	BTWT 1282/BSWT 557 PR-FED BRB 8553D4.5V6	0.000	0.000	0.000	BREF	14.6830 INCHES
(RD8379)	BTWT 1282/BSWT 557 PR-FED BRB 8553D4.7V6	0.000	0.000	0.000	XMRP	0.6000 LBODY
(XD8329)	BTWT 1282/BSWT 557 PR-FED BRB 8553D10.4V6.1	0.000	0.000	0.000	YMRP	0.0000 INCHES
(RD8349)	BTWT 1282/BSWT 557 PR-FED BRB 8553D10.6V6.1	0.000	0.000	0.000	ZMRP	0.0000 INCHES
					SCALE	0.6899 PERCNT

ALPHA

-.02

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# EFFECT OF DRAG PETALS



## MACH NUMBER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD8009)	BTWT 1282/BSWT 557 PR-FED BRB 8593
(RD8059)	BTWT 1282/BSWT 557 PR-FED BRB 8593D5

ALPHA	BETA	DELTAV
0.000	0.000	
0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCNT

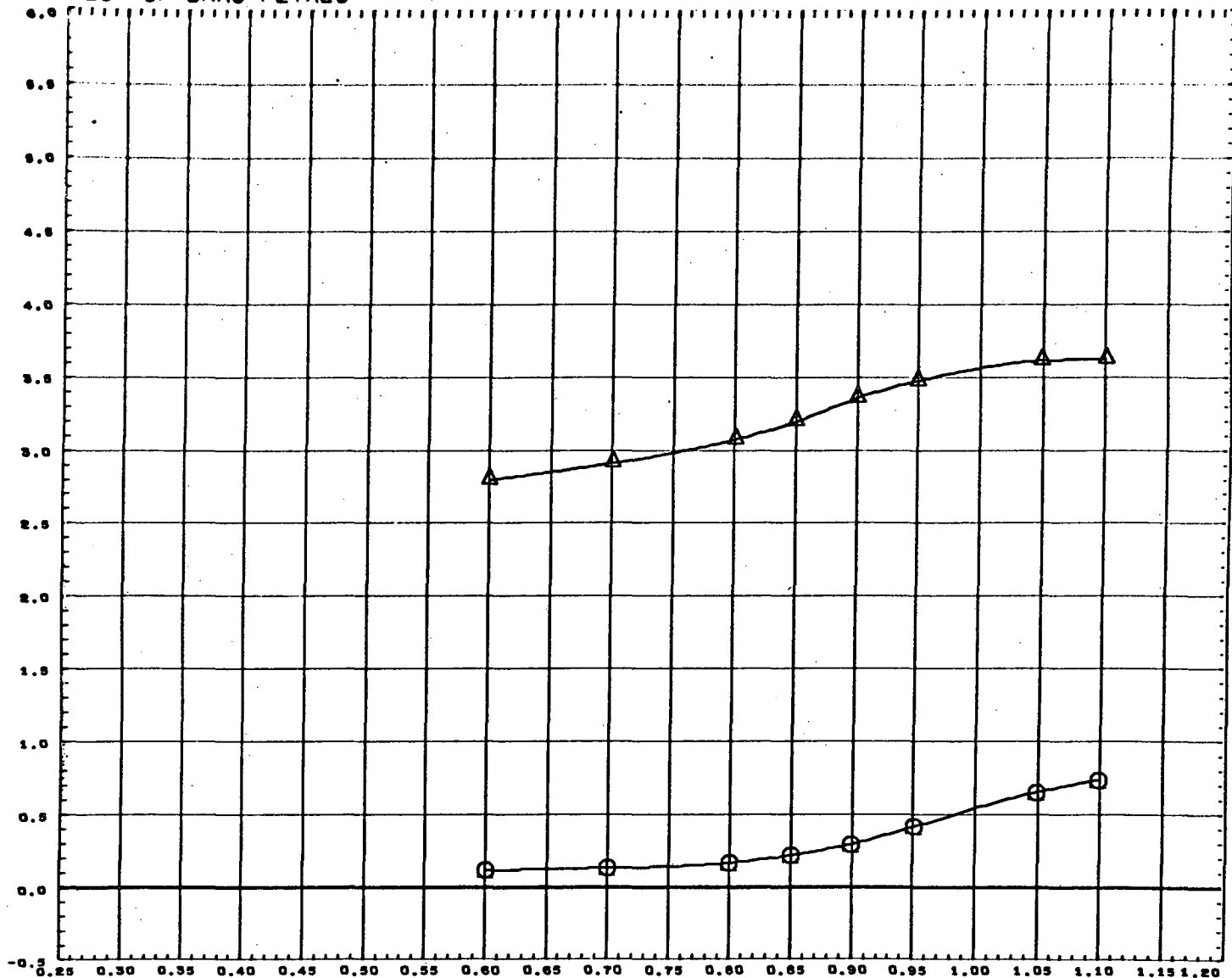
ALPHA .03

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# EFFECT OF DRAG PETALS

FOREBODY AXIAL FORCE COEFFICIENT, CAF



## MACH NUMBER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD6009)	BTWT 1282/BSWT 557 PR-FED BRB 8553
(RD6059)	BTWT 1282/BSWT 557 PR-FED BRB 8553D5

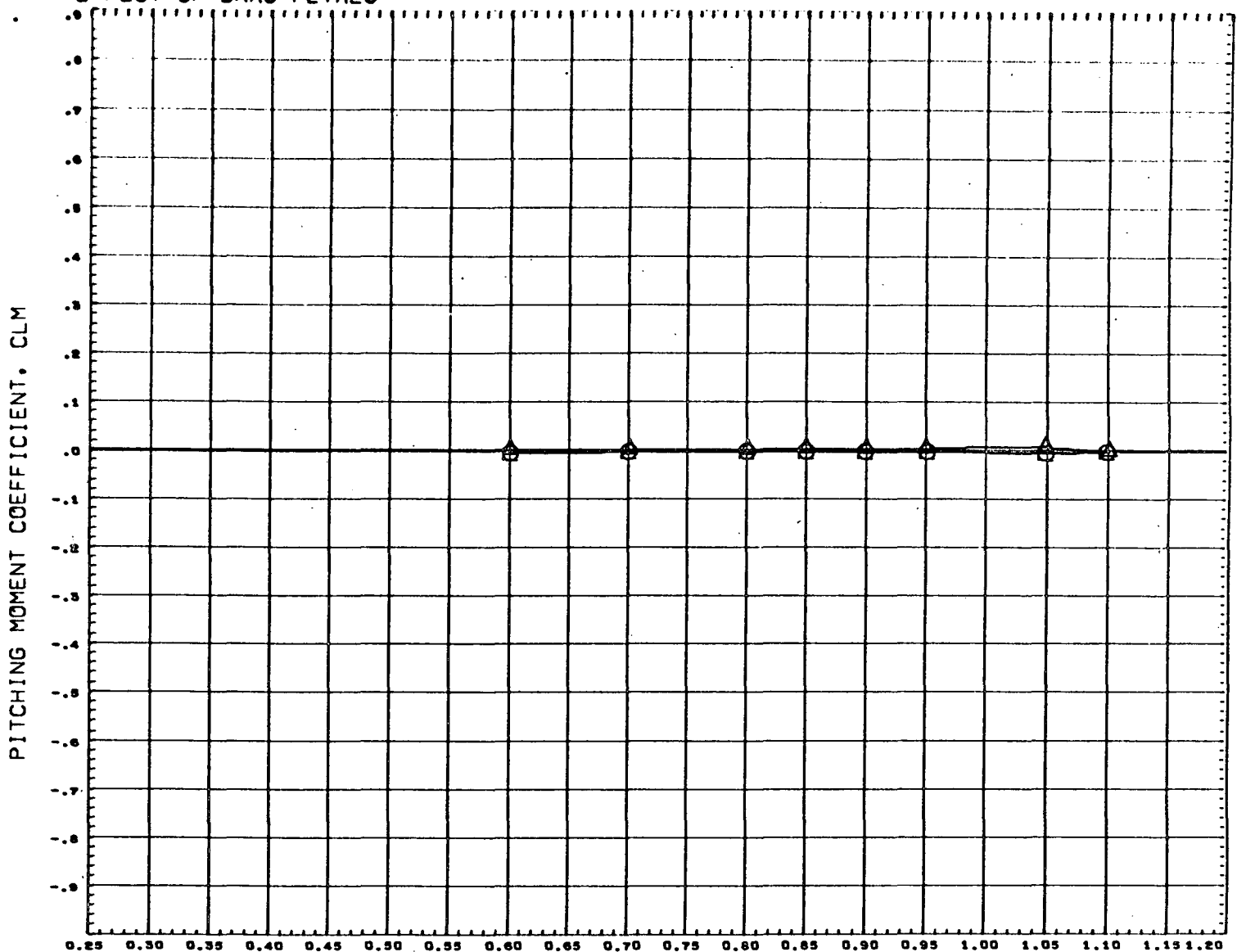
ALPHA	BETA	DELTAV
0.000	0.000	
0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

ALPHA .03

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# EFFECT OF DRAG PETALS



## MACH NUMBER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD0009)	BTWT 1202/BSWT 557 PR-FED BRB B553
(RD0059)	BTWT 1202/BSWT 557 PR-FED BRB B55305

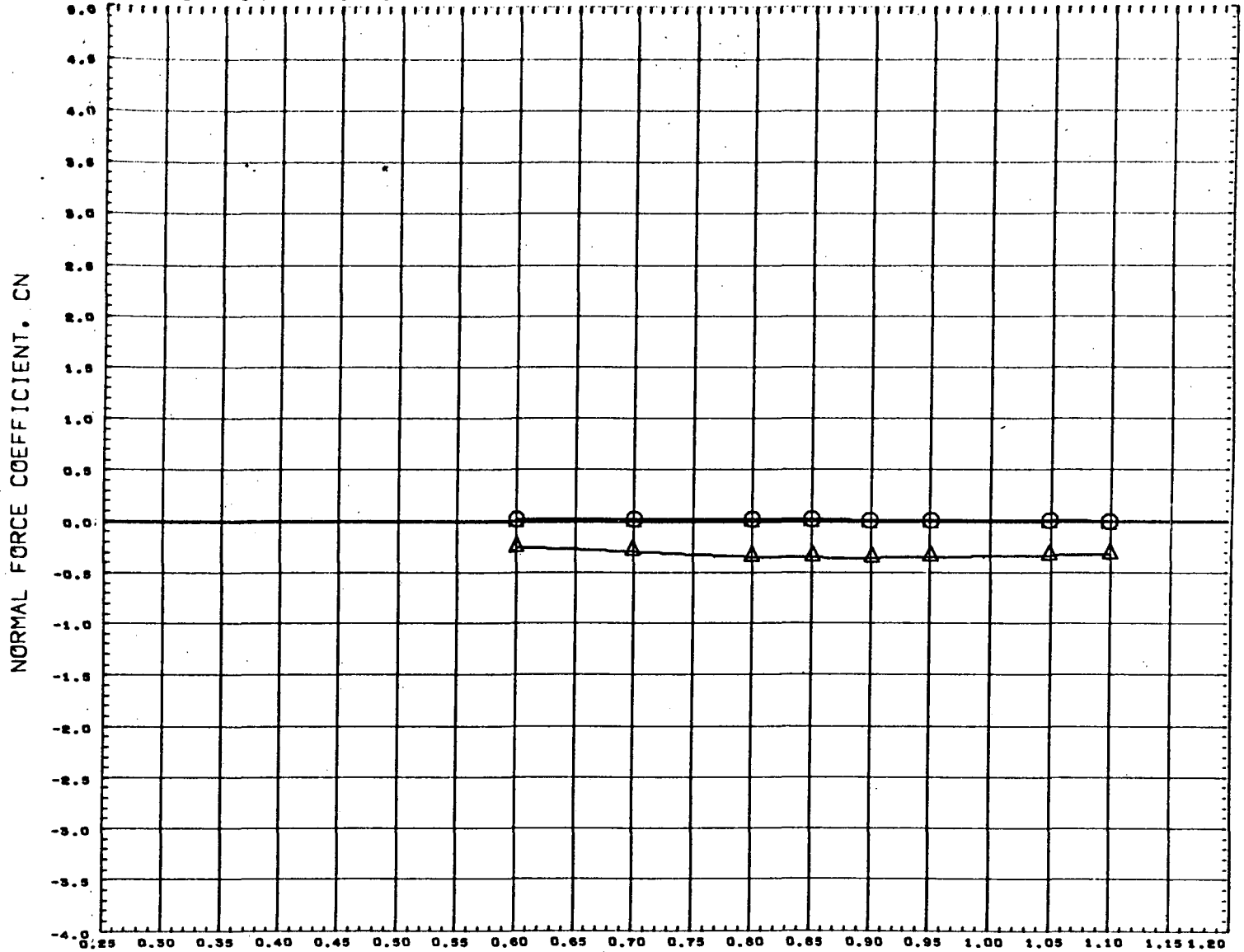
ALPHA	BETA	DELTAV
0.000	0.000	
0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

ALPHA .03

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# EFFECT OF FIN FLARINGS



## MACH NUMBER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD6009)	BTWT 1262/BSWT 557 PR-FED BRB 85S3
(RD6659)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V9AF3

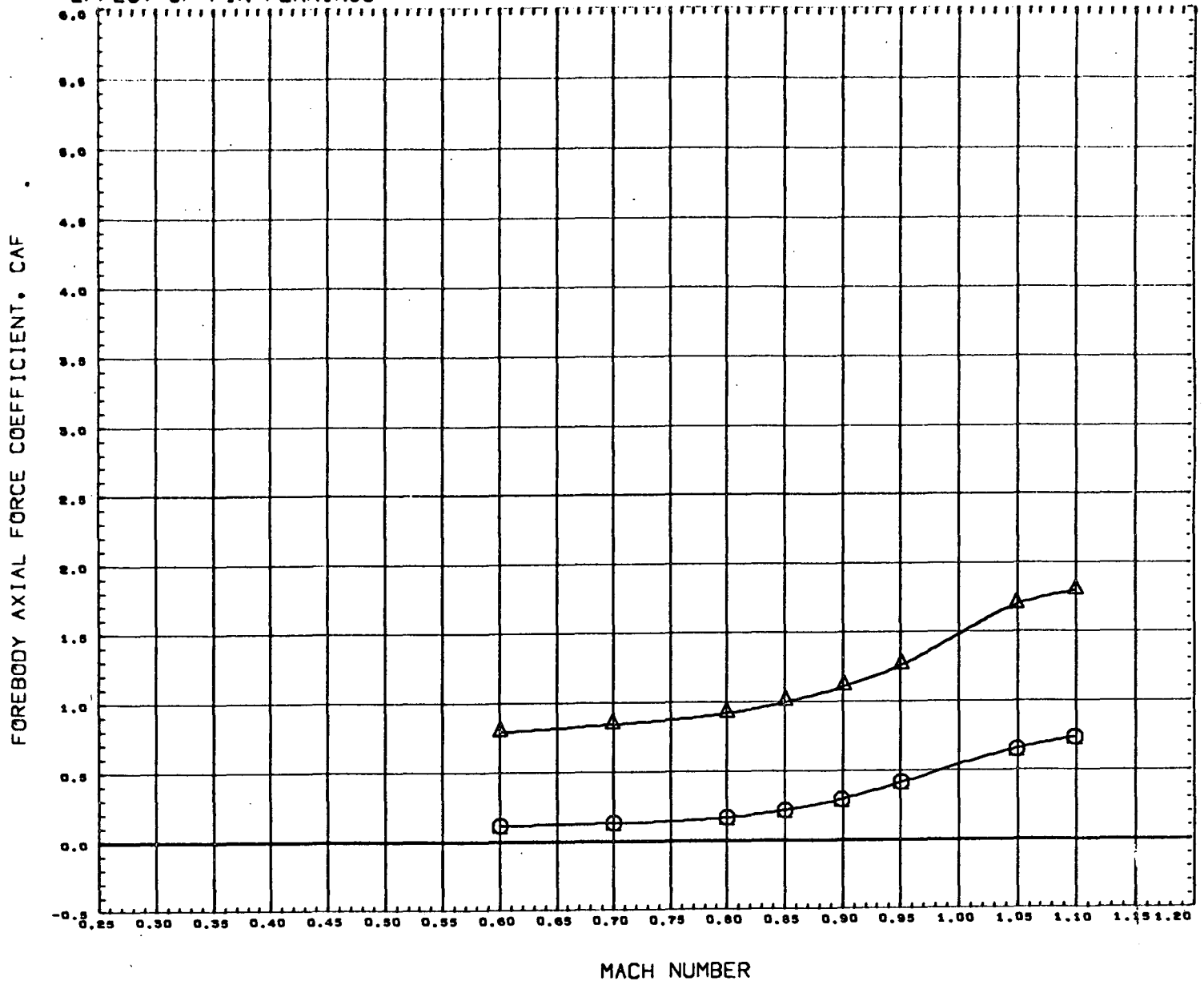
ALPHA	BETA	DELTAV
0.000	0.000	
0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCNT

ALPHA .03

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# EFFECT OF FIN FLARINGS



MACH NUMBER

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RD8009)	○	BTWT 1282/BSWT 557 PR-FED BRB 8553
(RD8659)	△	BTWT 1282/BSWT 557 PR-FED BRB 8553V9AF3

ALPHA	BETA	DELTAV
0.000	0.000	
0.000	0.000	

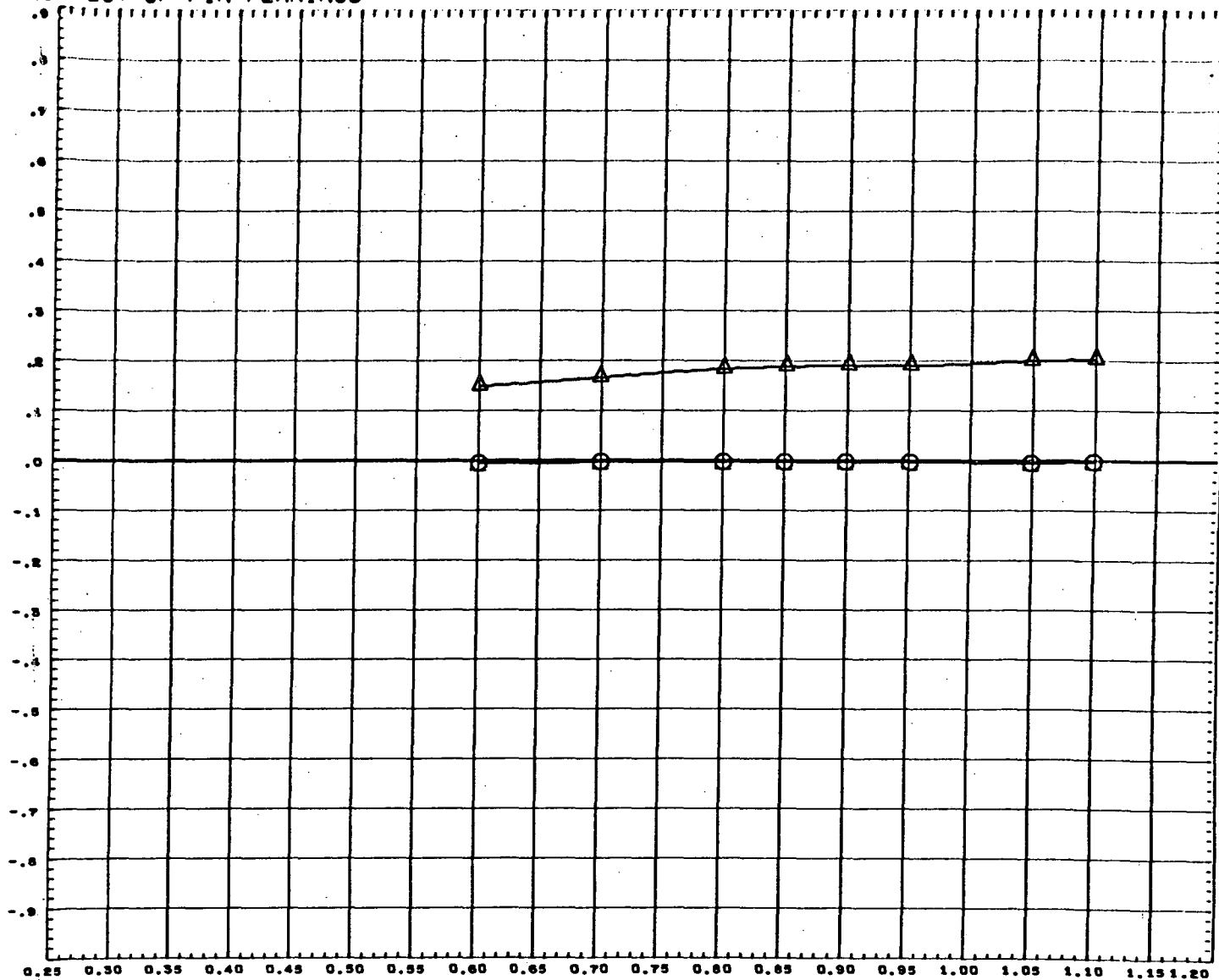
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8699	PERCNT

ALPHA .03

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# EFFECT OF FIN FLARINGS

PITCHING MOMENT COEFFICIENT, CLM



MACH NUMBER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION			
(RD8009)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3	
(RD8659)	BTWT 1262/BSWT 557	PR-FED BRB	B5S3V9AF3	

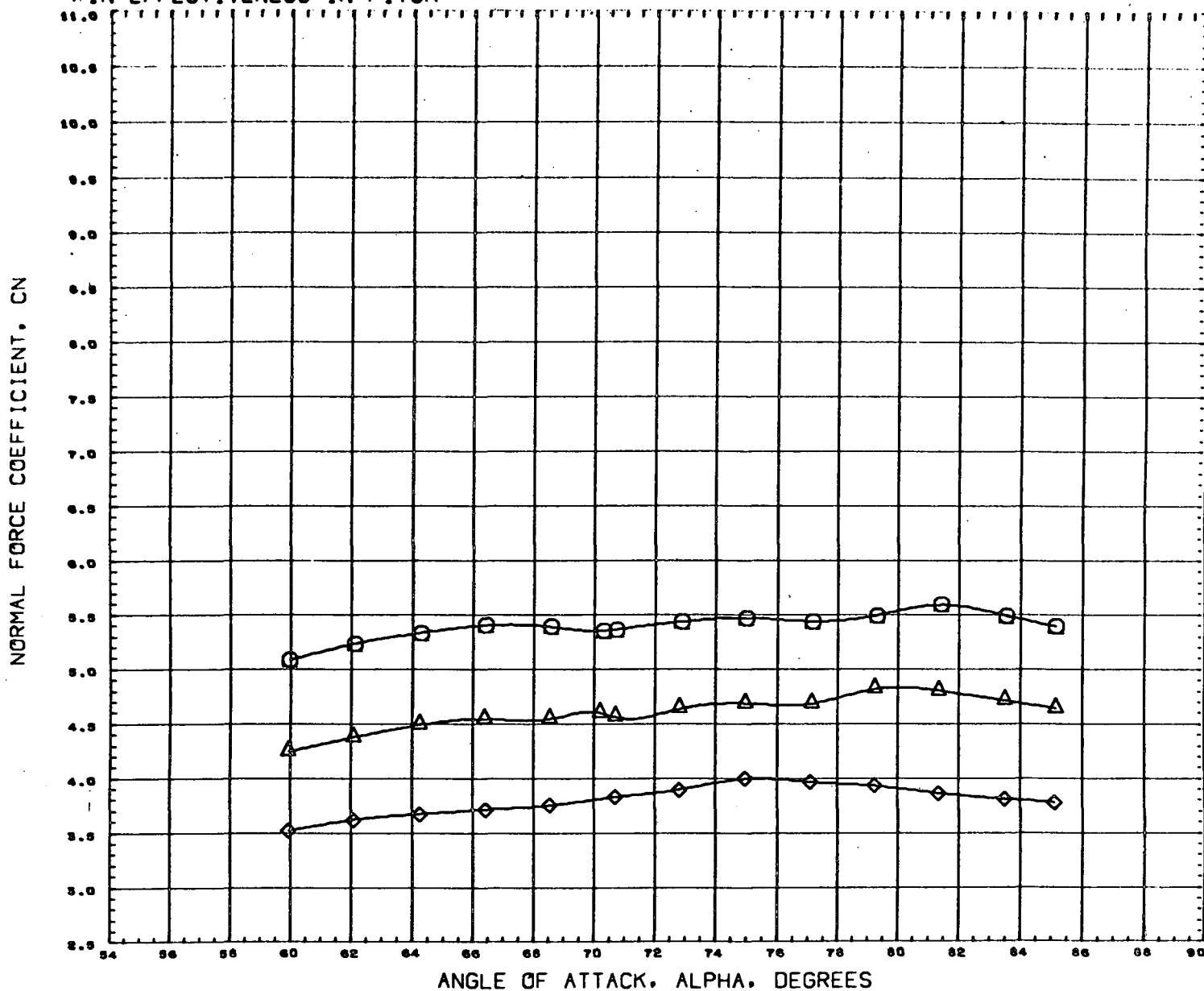
ALPHA	BETA	DELTAV
0.000	0.000	
0.000	0.000	

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOOT
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

ALPHA .03

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1202/BSWT 557 PR-FED BR8 B553V6F
(AD8512)	BTWT 1202/BSWT 557 PR-FED BR8 B553V6F
(AD8522)	BTWT 1202/BSWT 557 PR-FED BR8 B553V6F

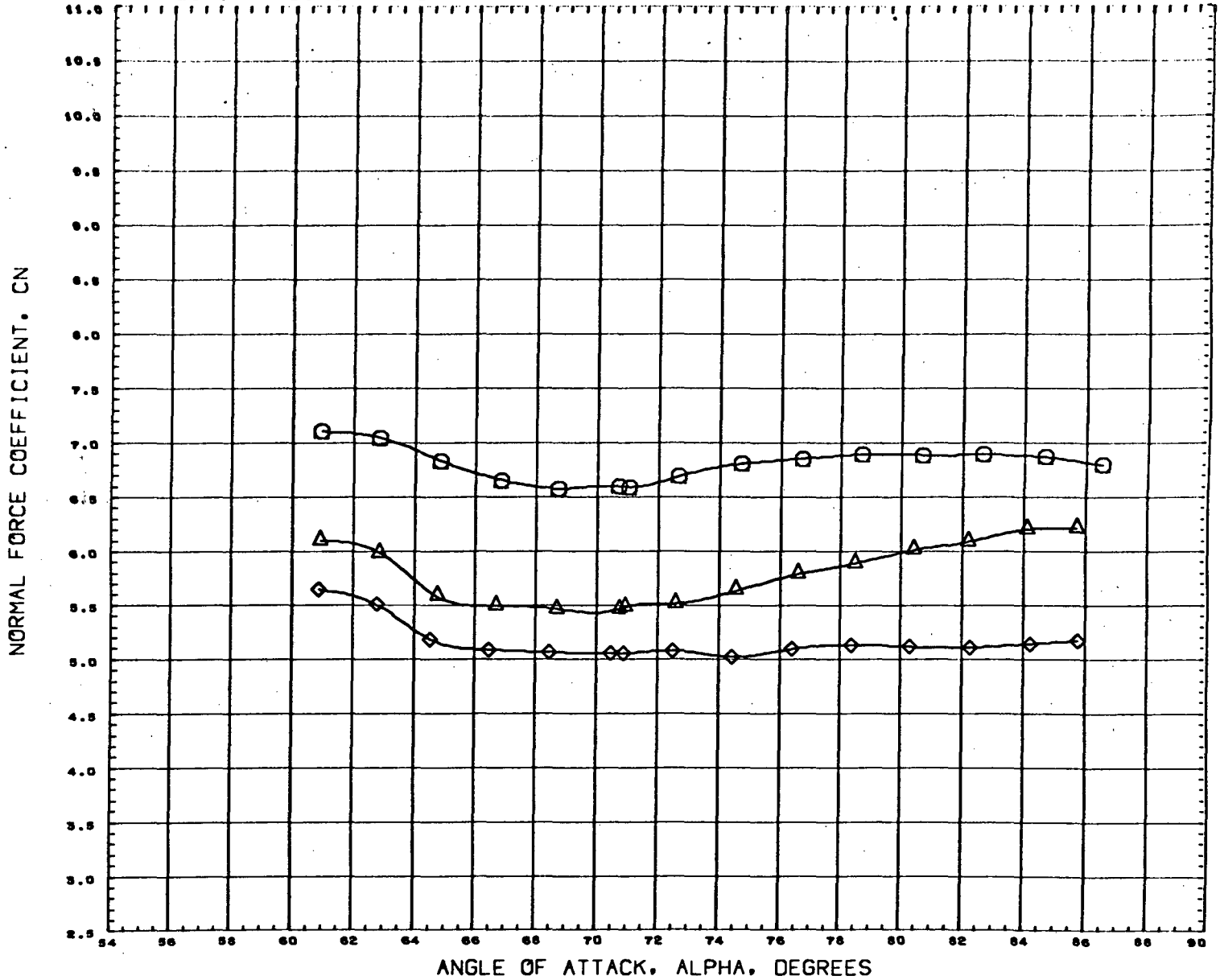
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .35

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD5502)	BTWT 1262/BSWT 557 PR-FED BRB B553V6F
(AD5512)	BTWT 1262/BSWT 557 PR-FED BRB B553V6F
(AD5522)	BTWT 1262/BSWT 557 PR-FED BRB B553V6F

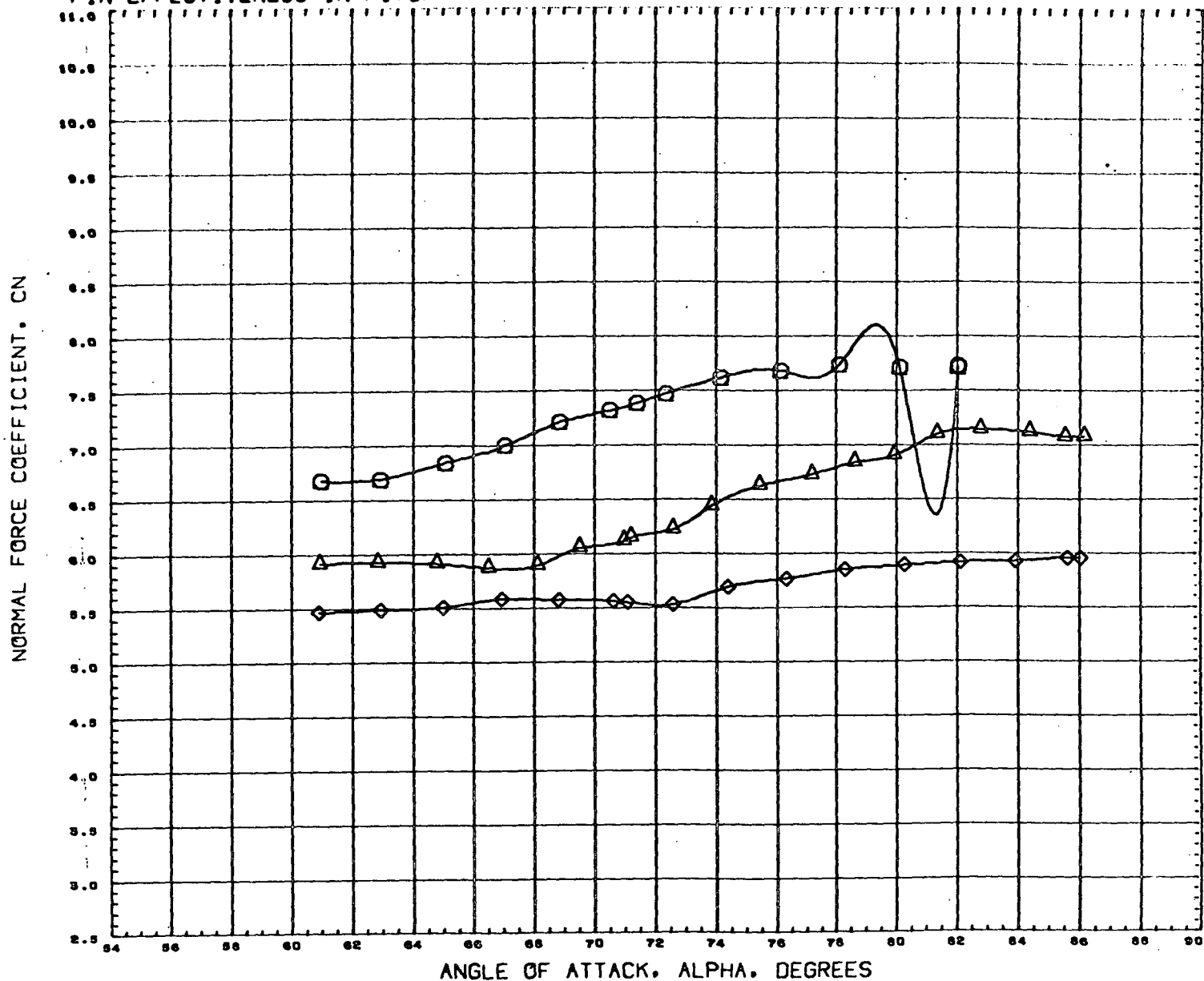
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .80

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD9902)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD9912)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD9922)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

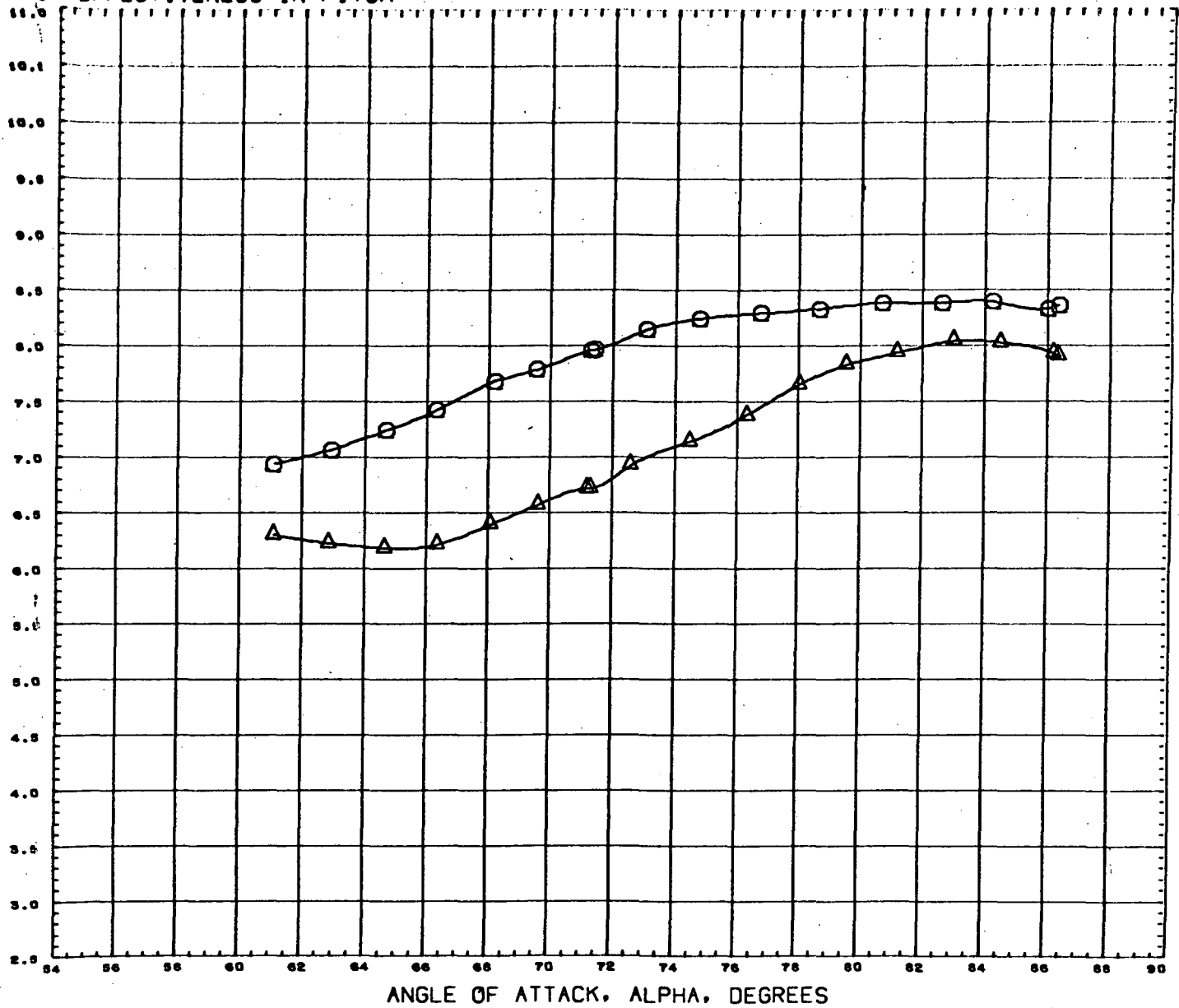
MACH .90

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# FIN EFFECTIVENESS IN PITCH

NORMAL FORCE COEFFICIENT, CN



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

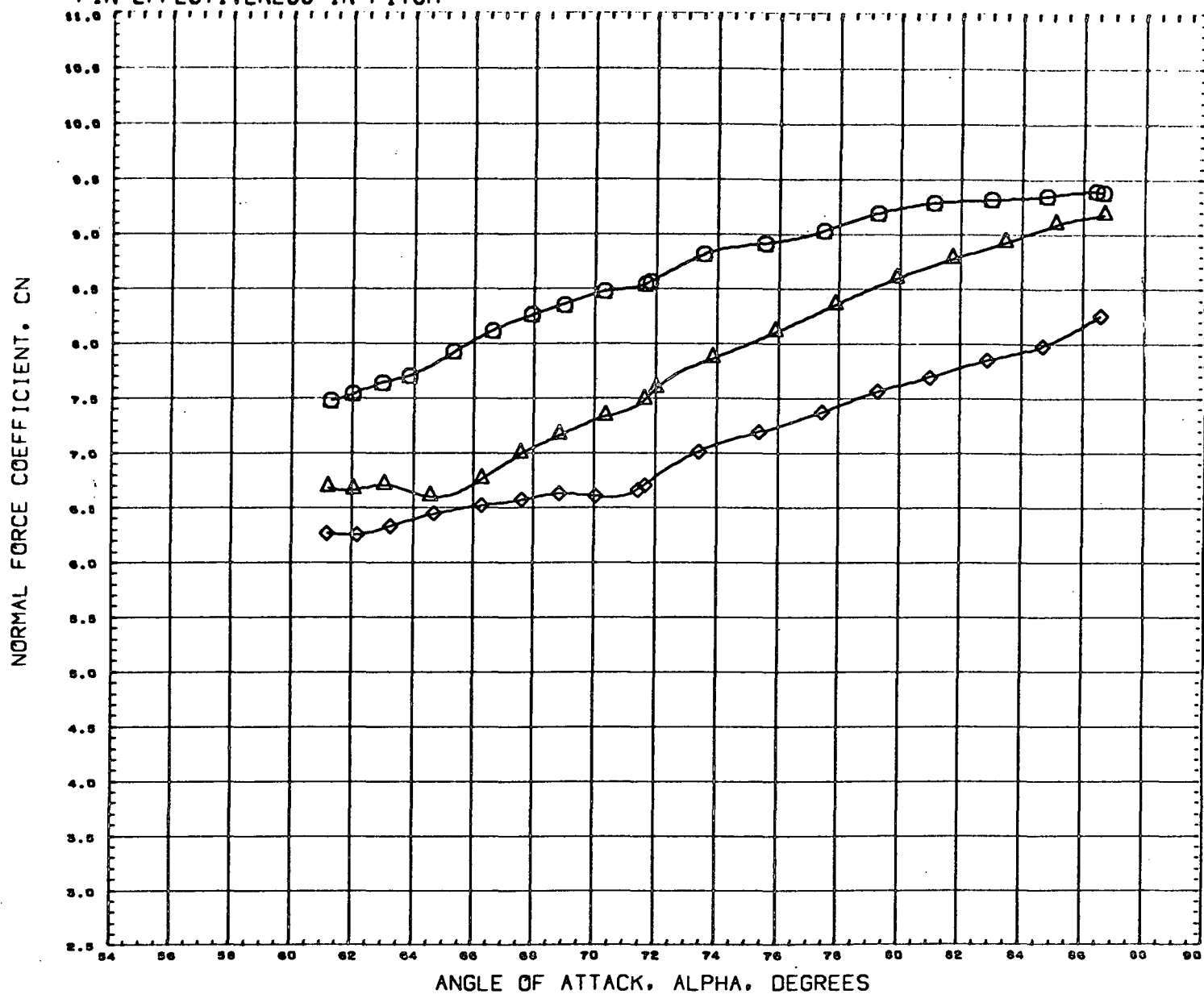
REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH

.95

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# FIN EFFECTIVENESS IN PITCH



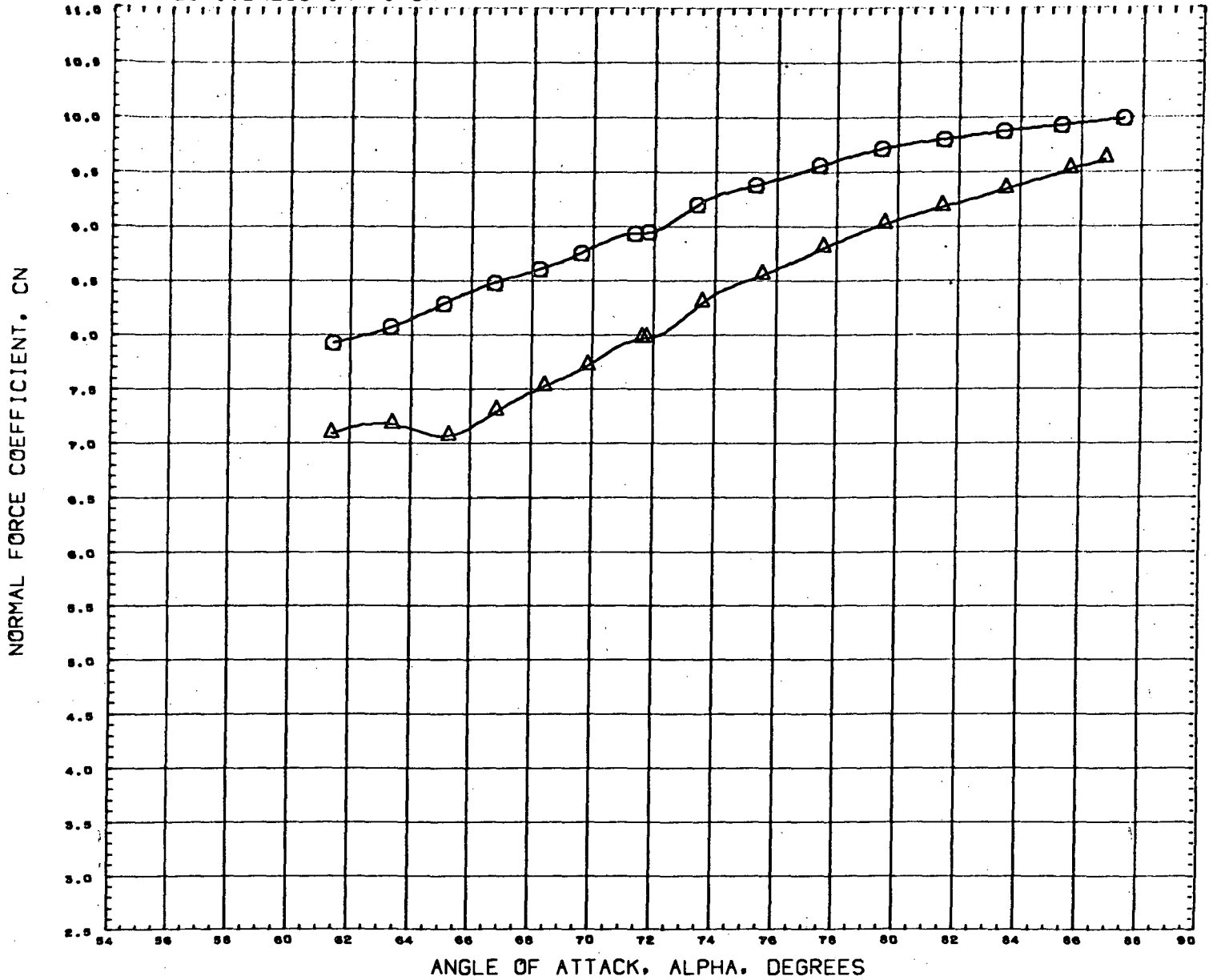
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	-40.000
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502) ○	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8512) △	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8522) ◇	DATA NOT AVAILABLE FOR ALL CONDITIONS

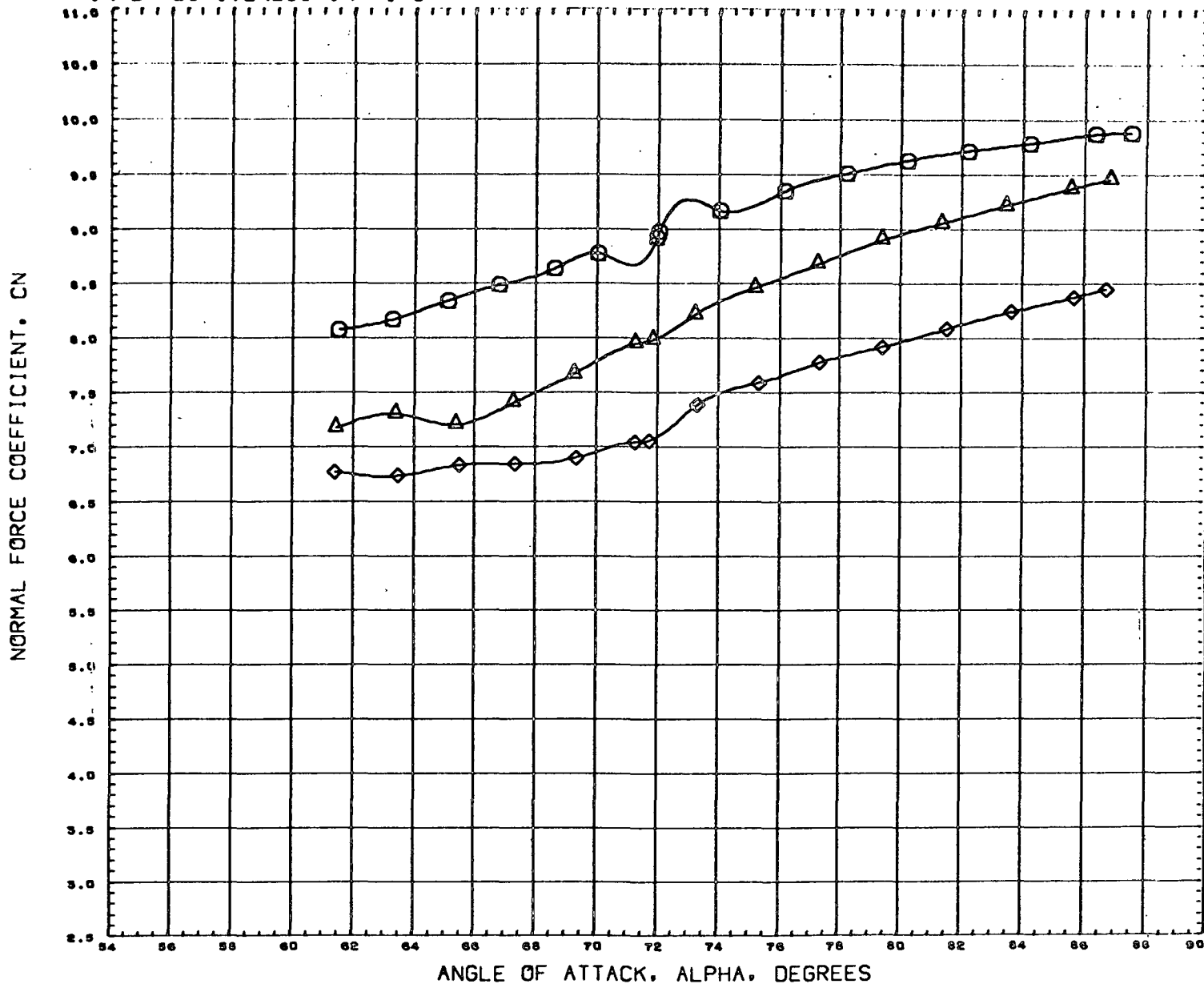
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DD8502)	○	BTWT 1262/BSWT 557	PR-FED BRB	B553V6F
(AD8512)	△	BTWT 1262/BSWT 557	PR-FED BRB	B553V6F
(AD8522)	◇	BTWT 1262/BSWT 557	PR-FED BRB	B553V6F

BETA DELTAV

0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH

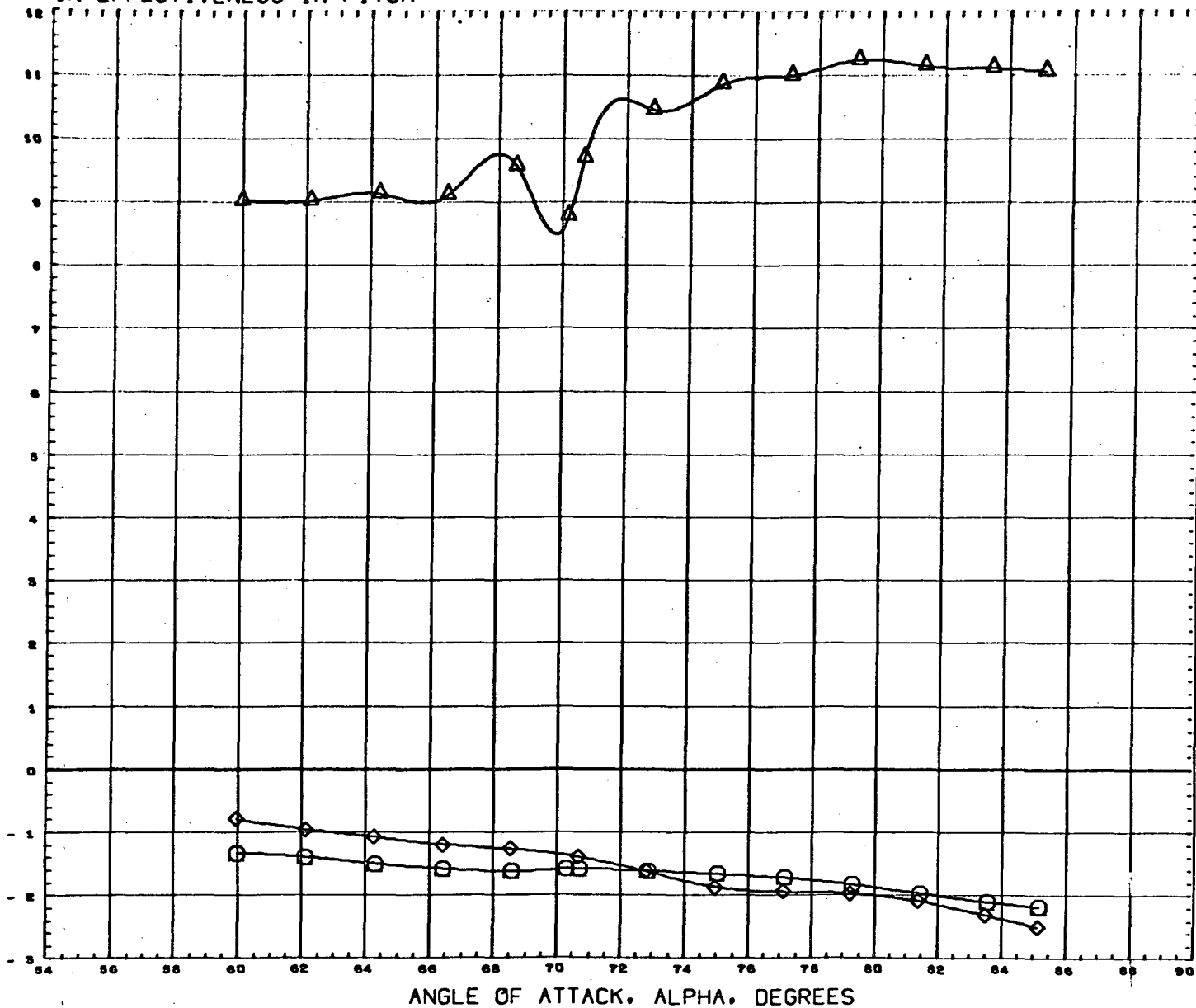
1.10

PAGE

544

# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8512)	△	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8522)	◇	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

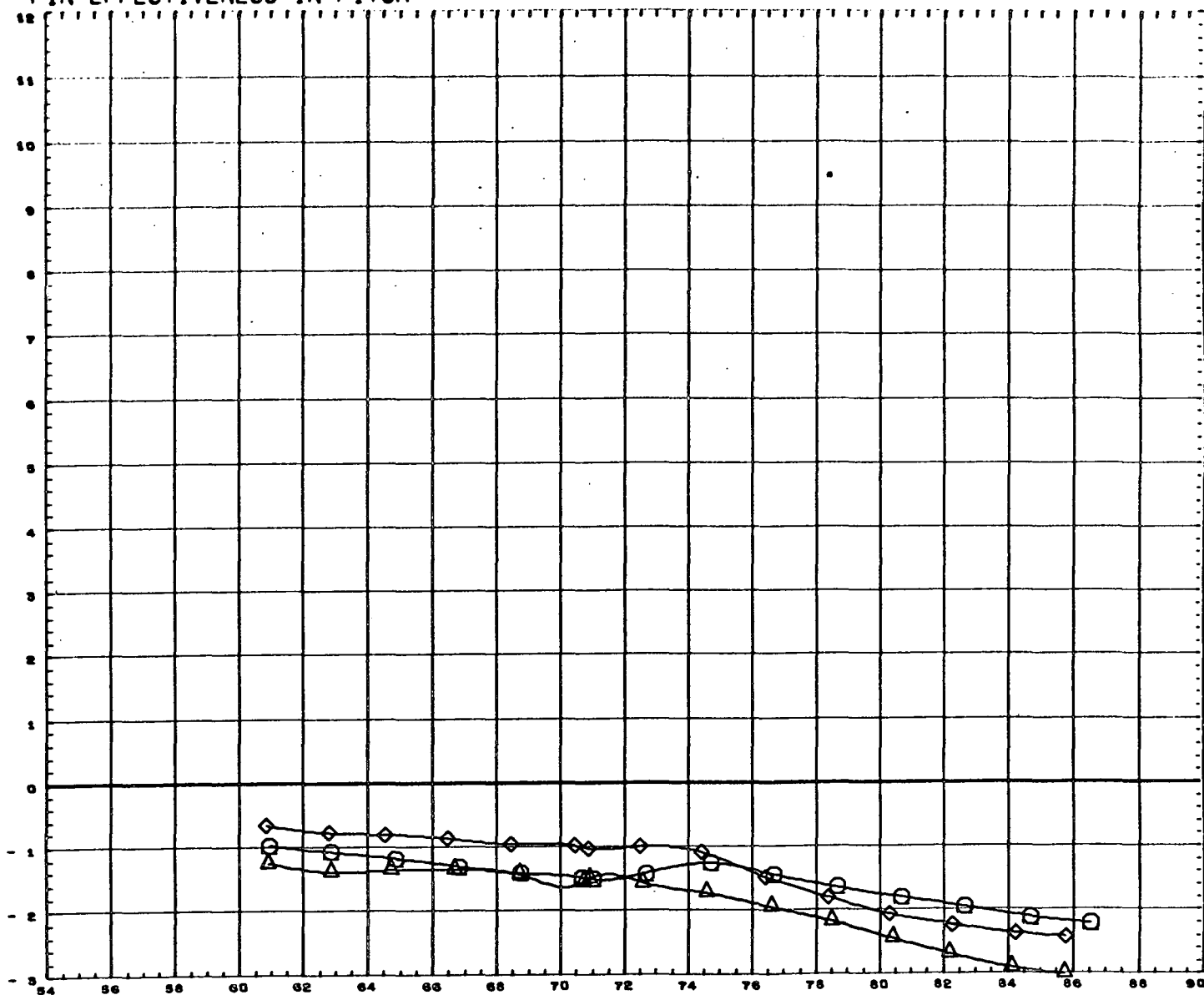
REFERENCE INFORMATION		
SREF	9.7500	30. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .35

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# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000

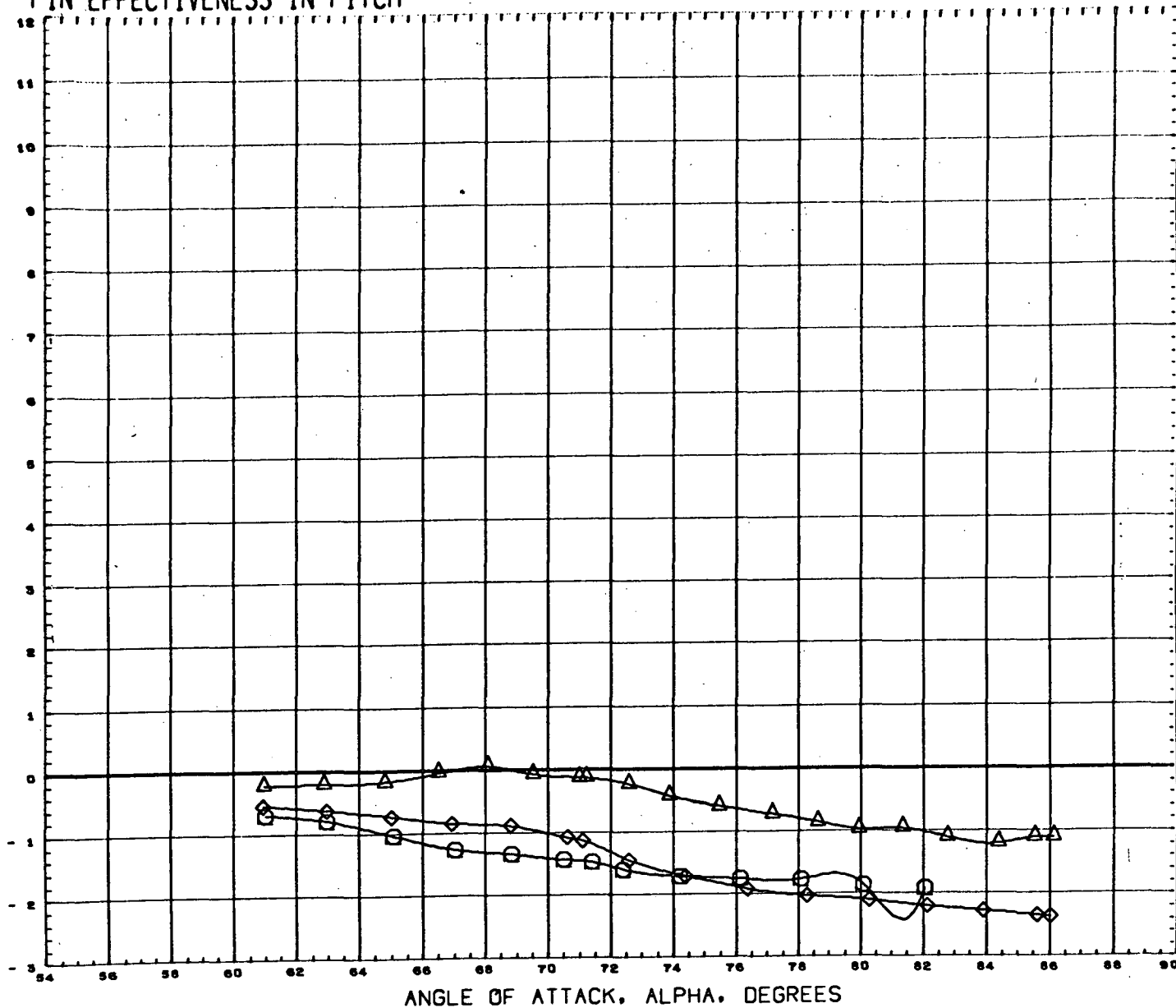
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH .80

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# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD6502)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(AD6512)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(AD6522)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

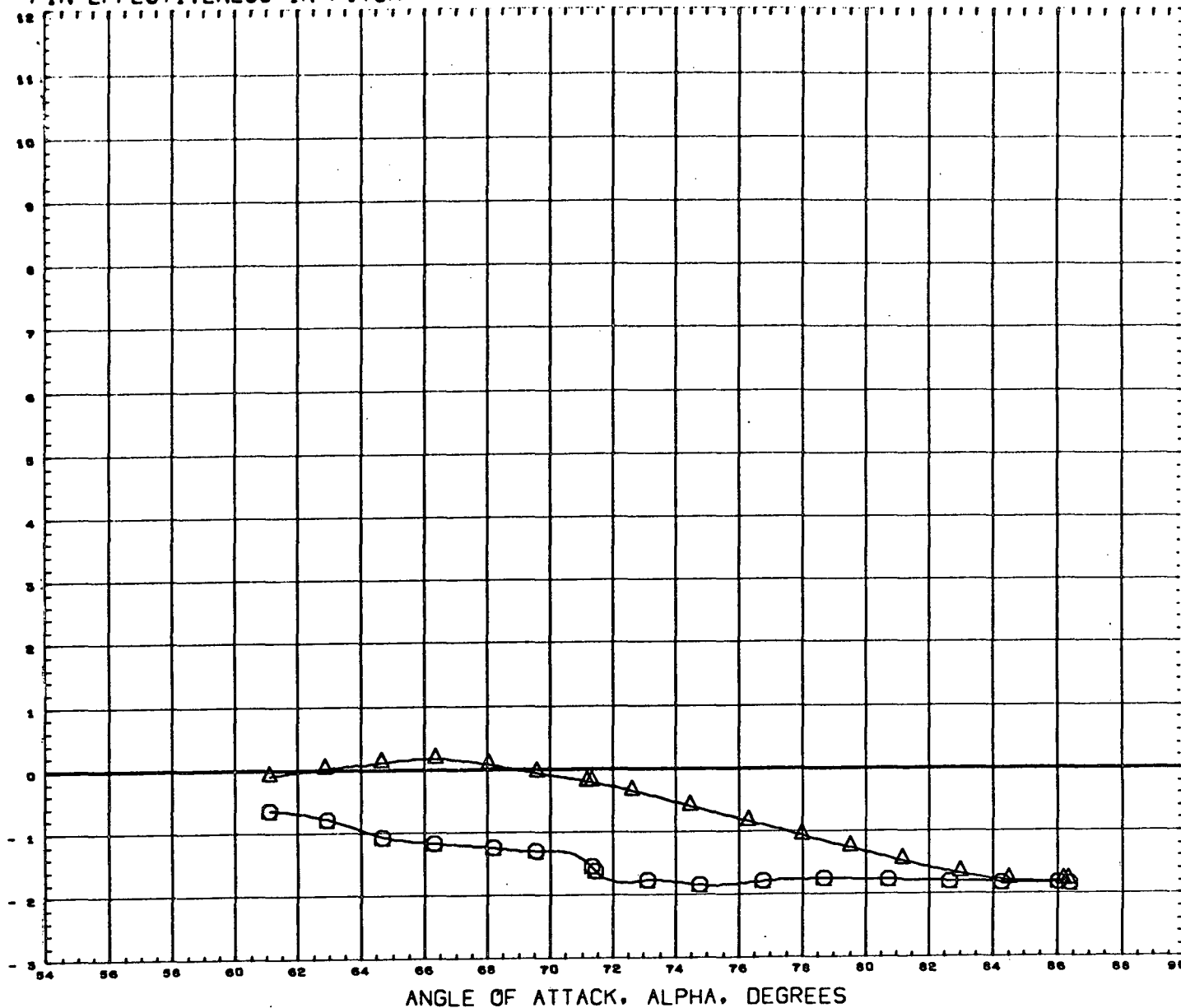
MACH

.90

PAGE 547

# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	39. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

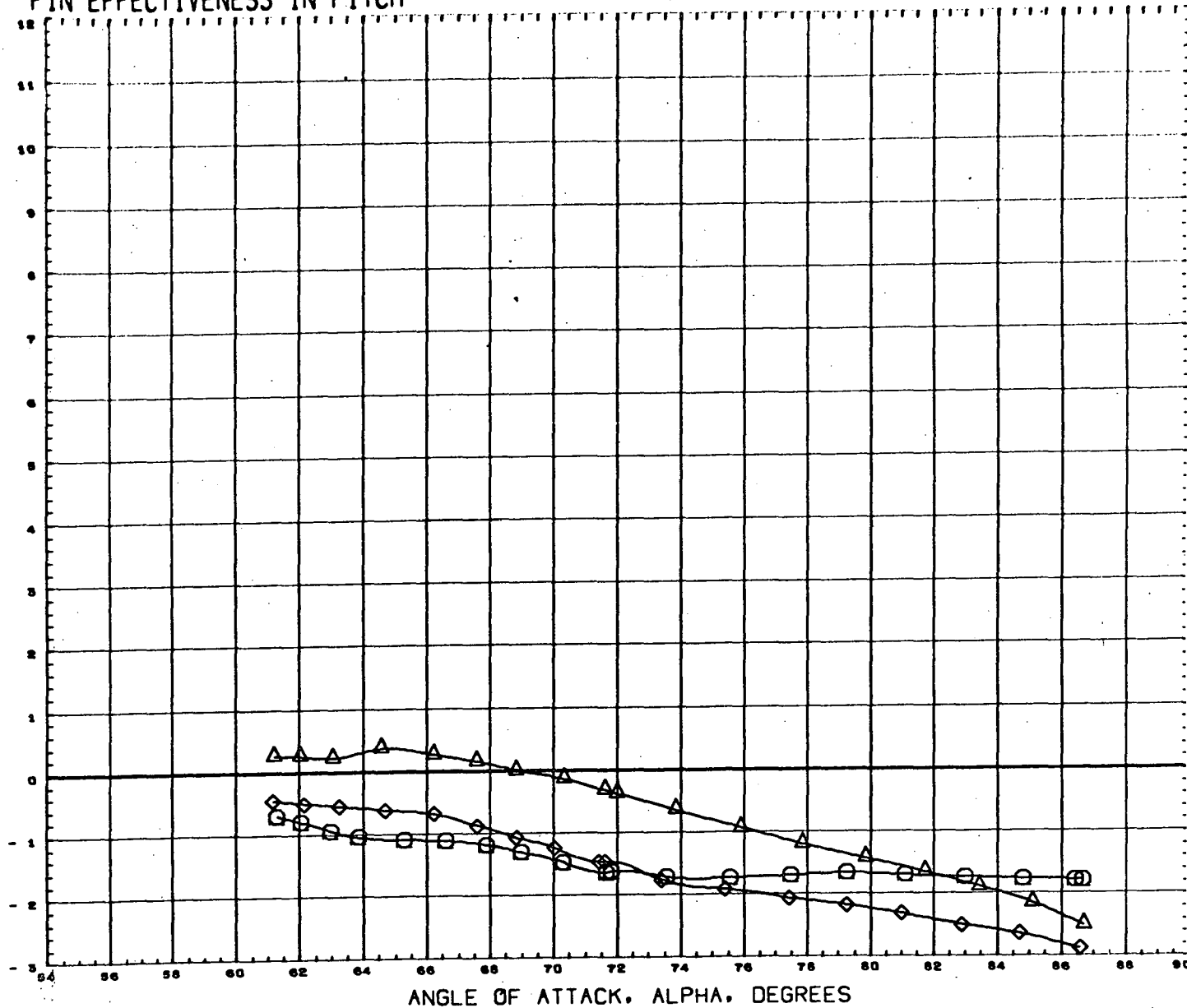
MACH .95

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# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET, SYMBOL	CONFIGURATION DESCRIPTION
(DD502)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(AD512)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(AD522)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

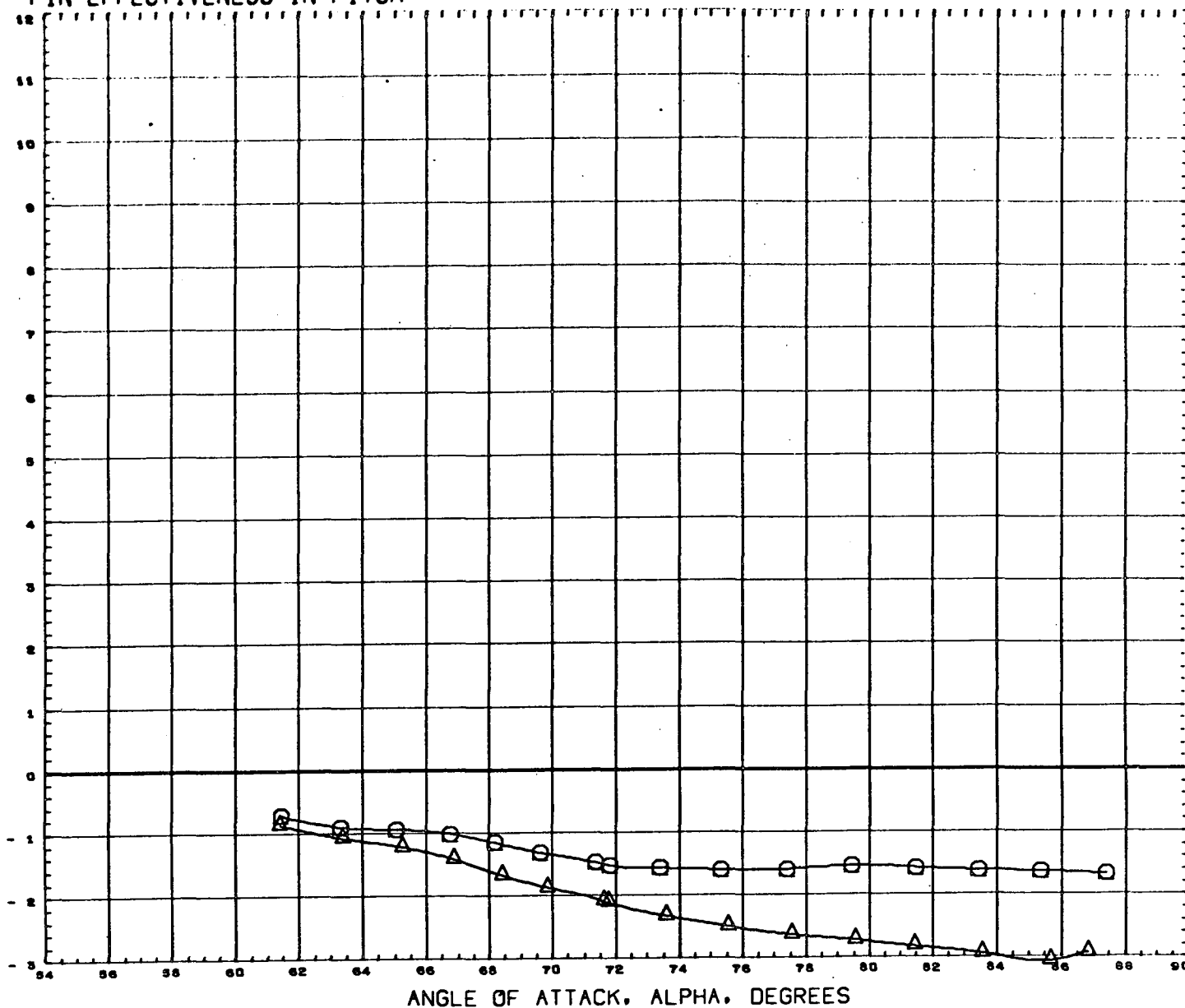
MACH

1.00

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# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD6502)	BTWT 1282/BSWT 557 PR-FED BRB 8533V6F
(AD6512)	BTWT 1282/BSWT 557 PR-FED BRB 8533V6F
(AD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

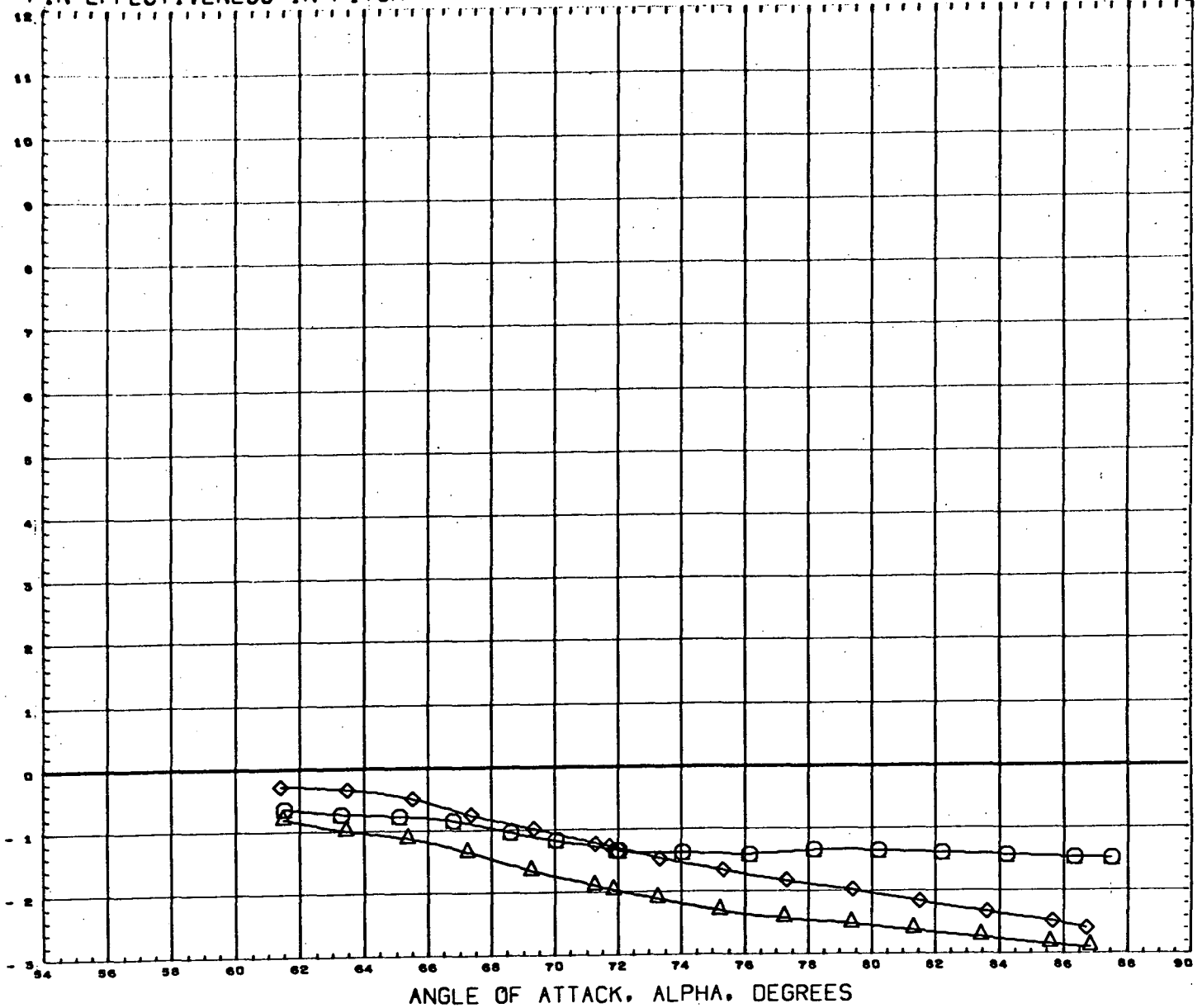
MACH

1.05

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# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F

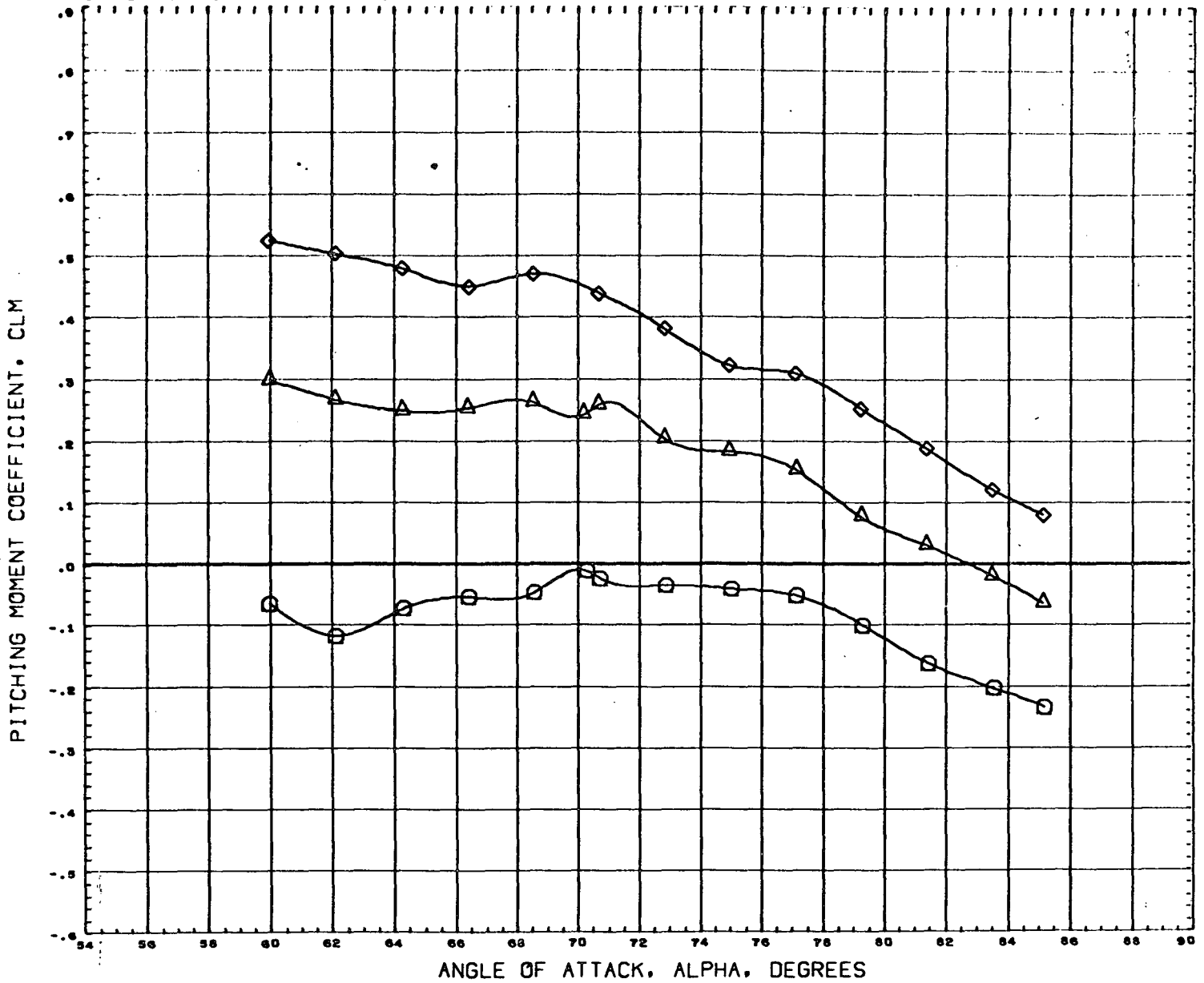
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.10

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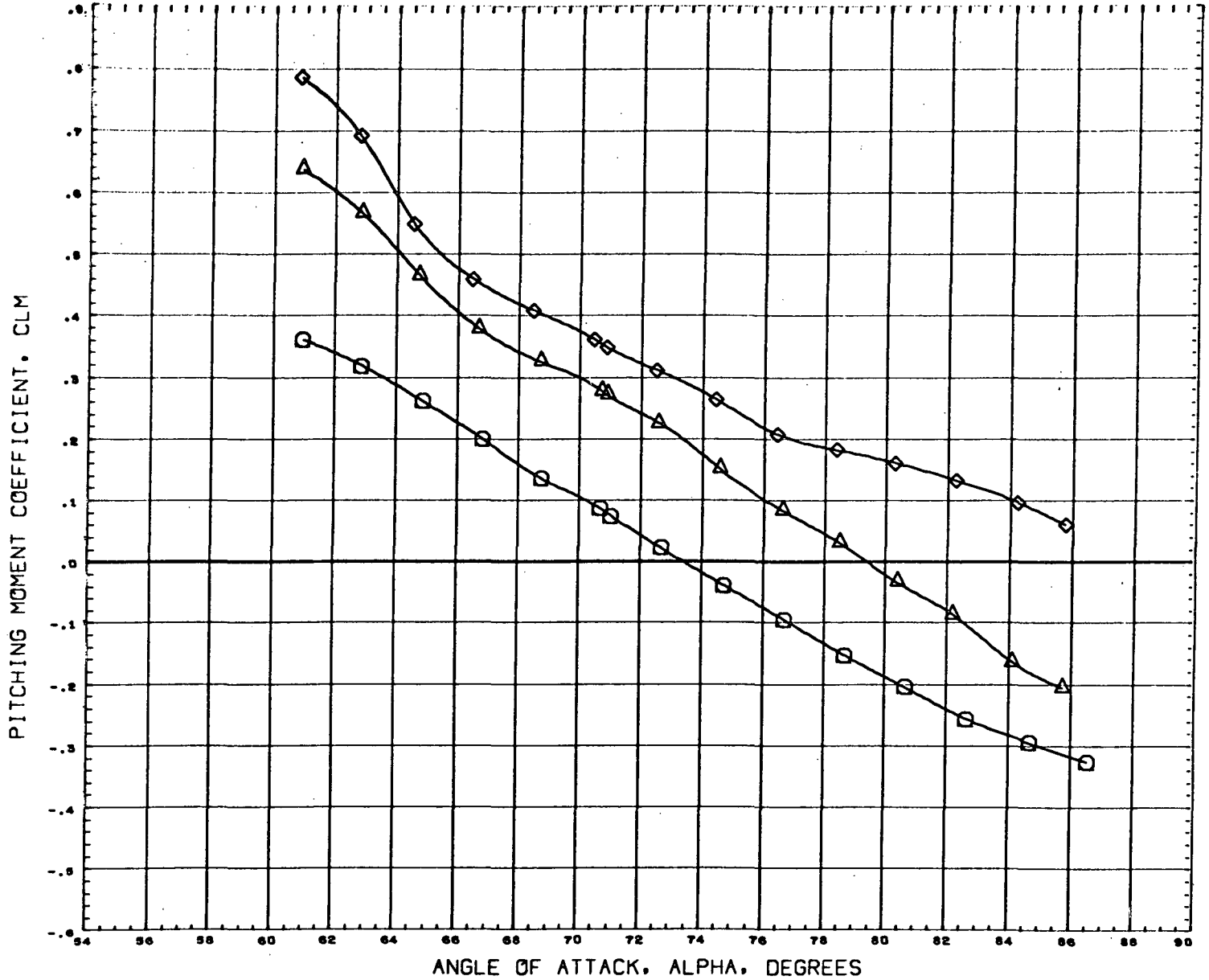
# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	-40.000
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

# FIN EFFECTIVENESS IN PITCH



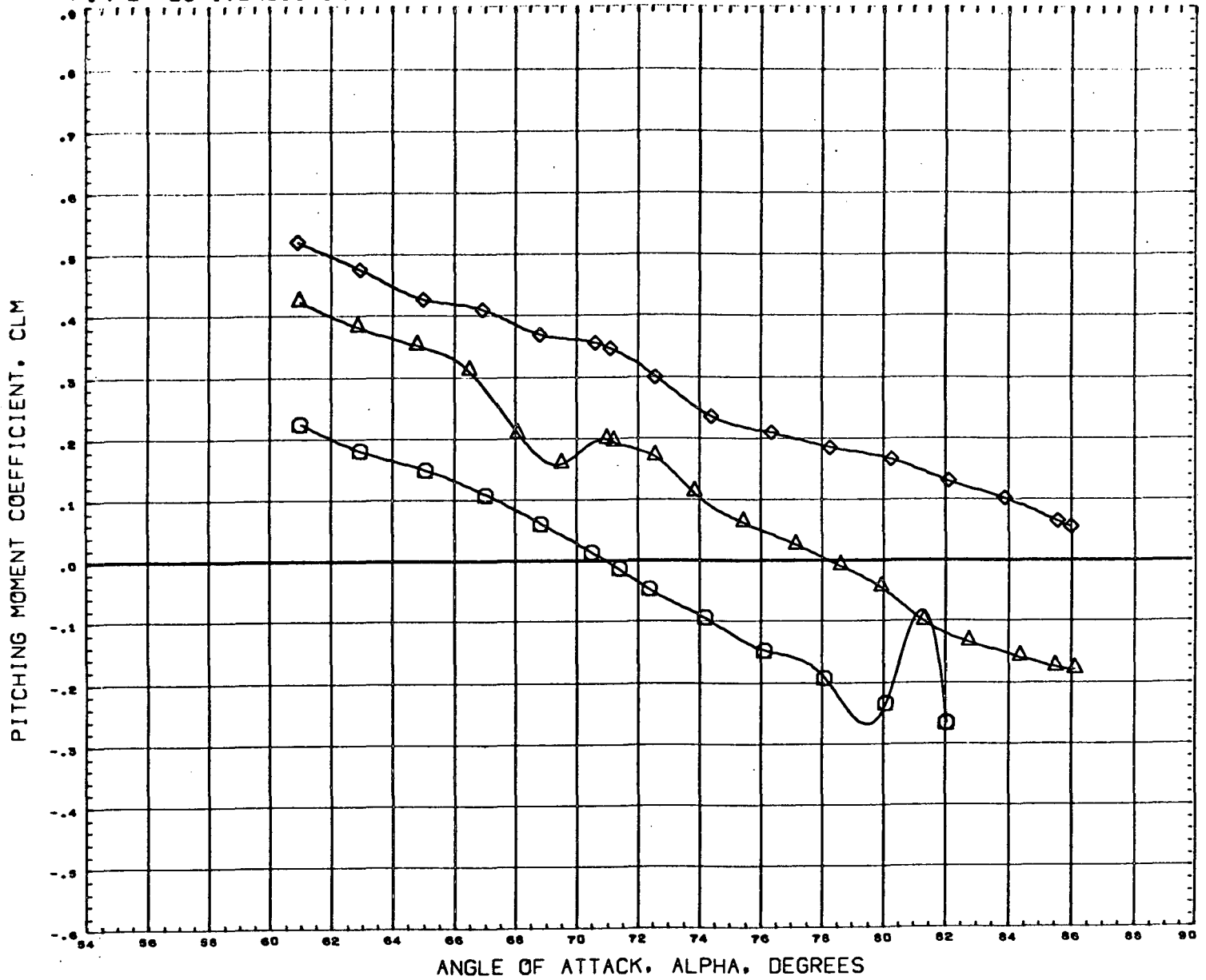
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(AD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	0.000
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-40.000
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	sq. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH .80

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# FIN EFFECTIVENESS IN PITCH



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	○	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8512)	△	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8522)	◇	BTWT 1282/BSWT 557 PR-FED BRB B553V6F

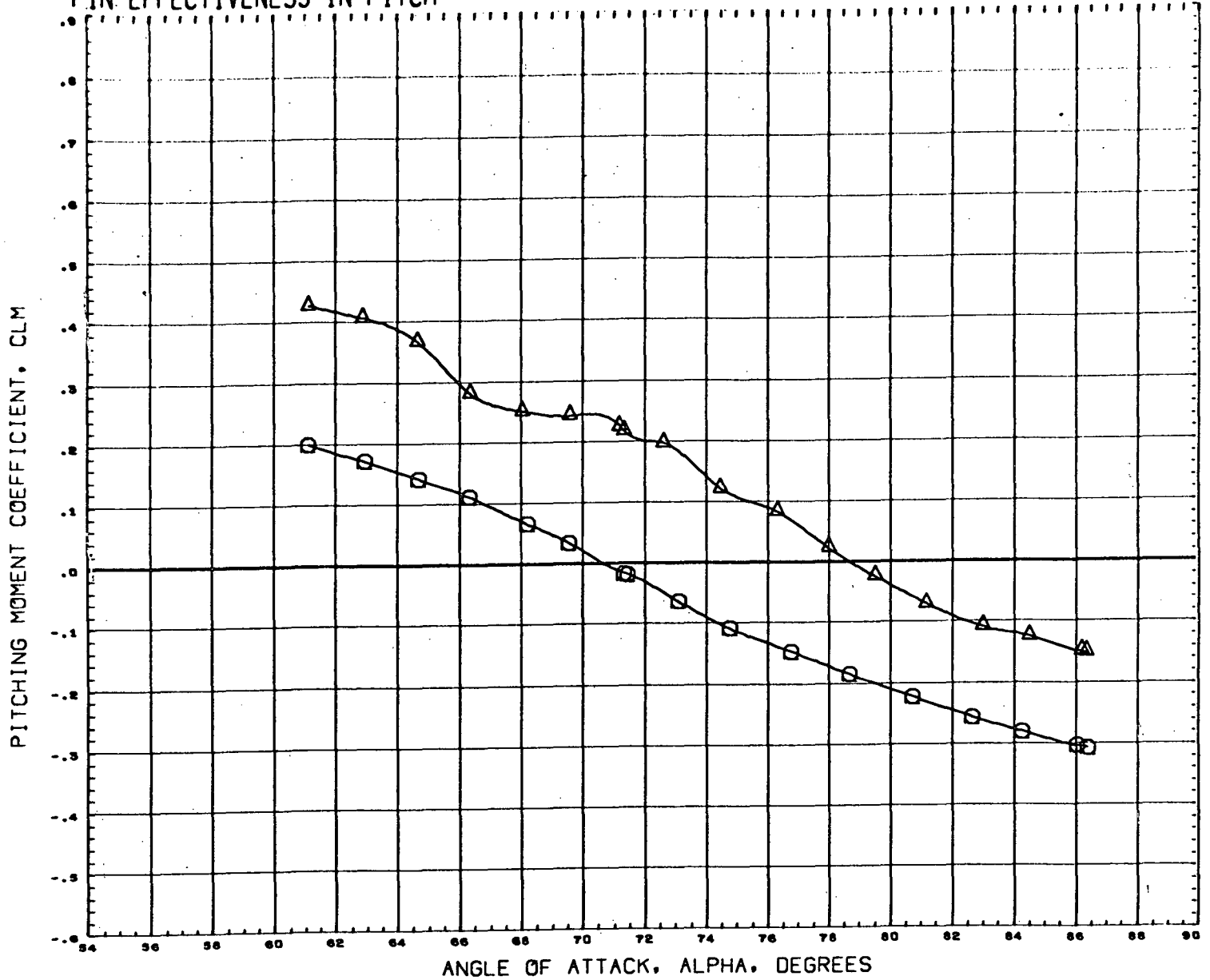
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD5502)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD5512)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD5522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

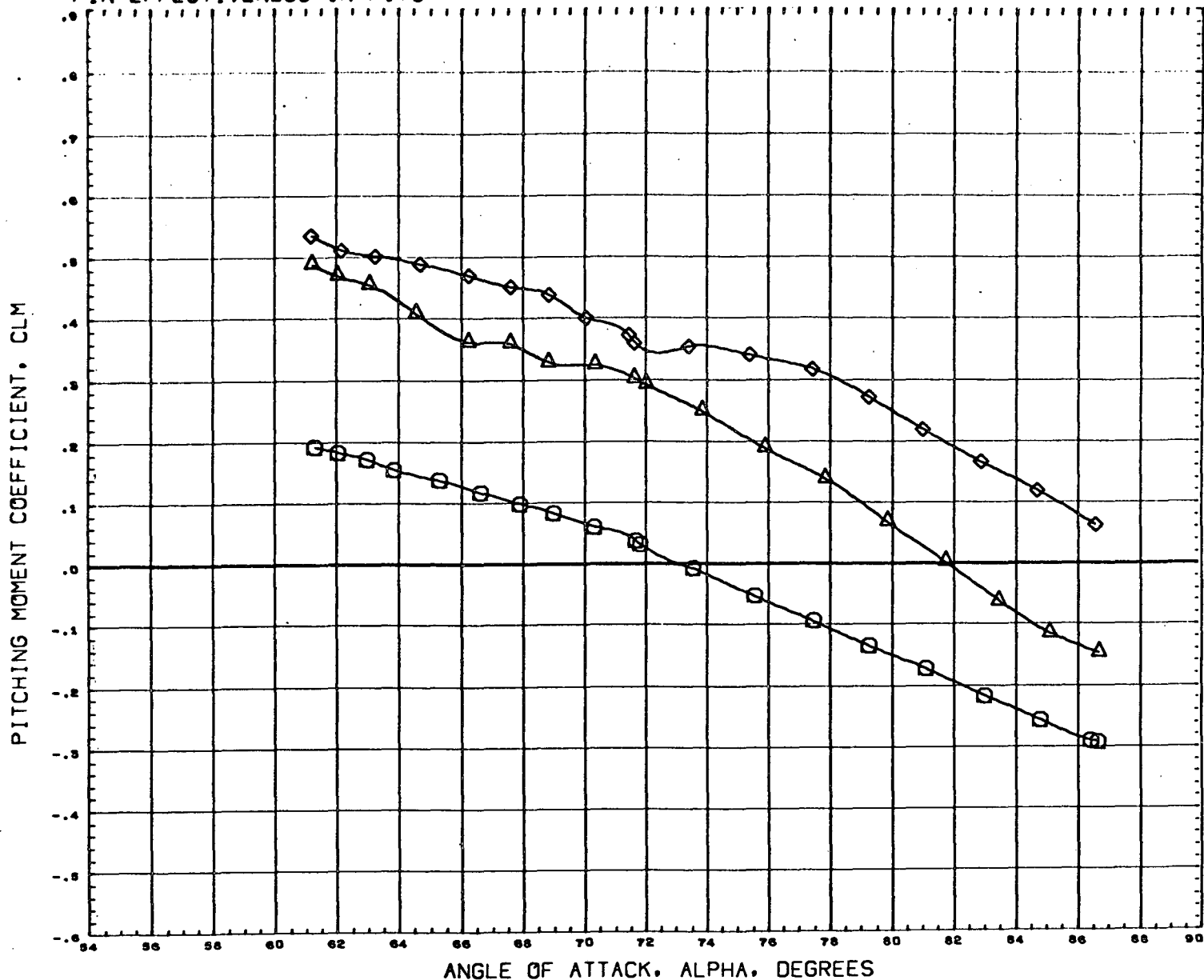
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	50 IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH .95

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(008902)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(A08912)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(A08922)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

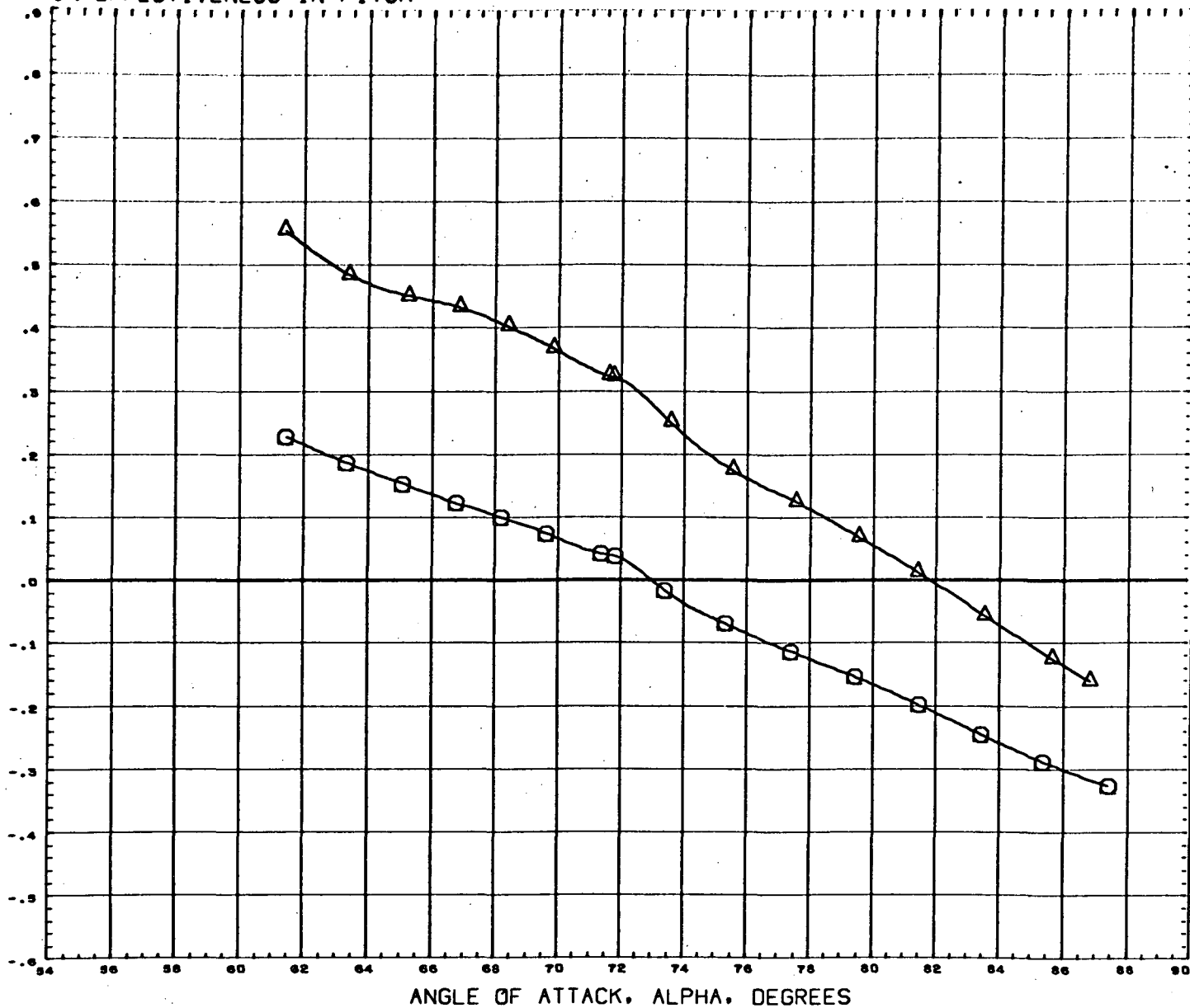
MACH 1.00

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# FIN EFFECTIVENESS IN PITCH

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

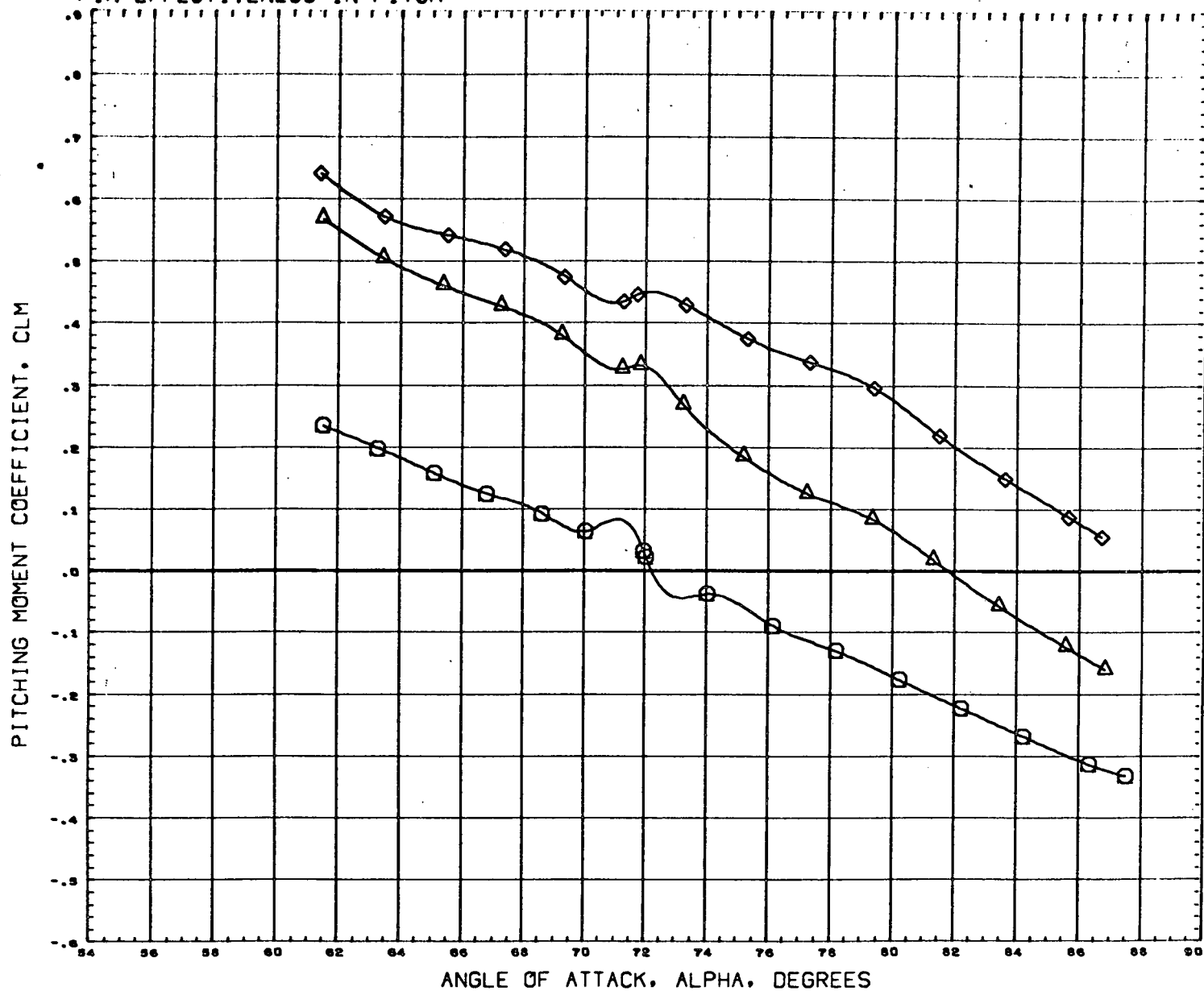
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	34. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCNT

MACH 1.05

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# FIN EFFECTIVENESS IN PITCH



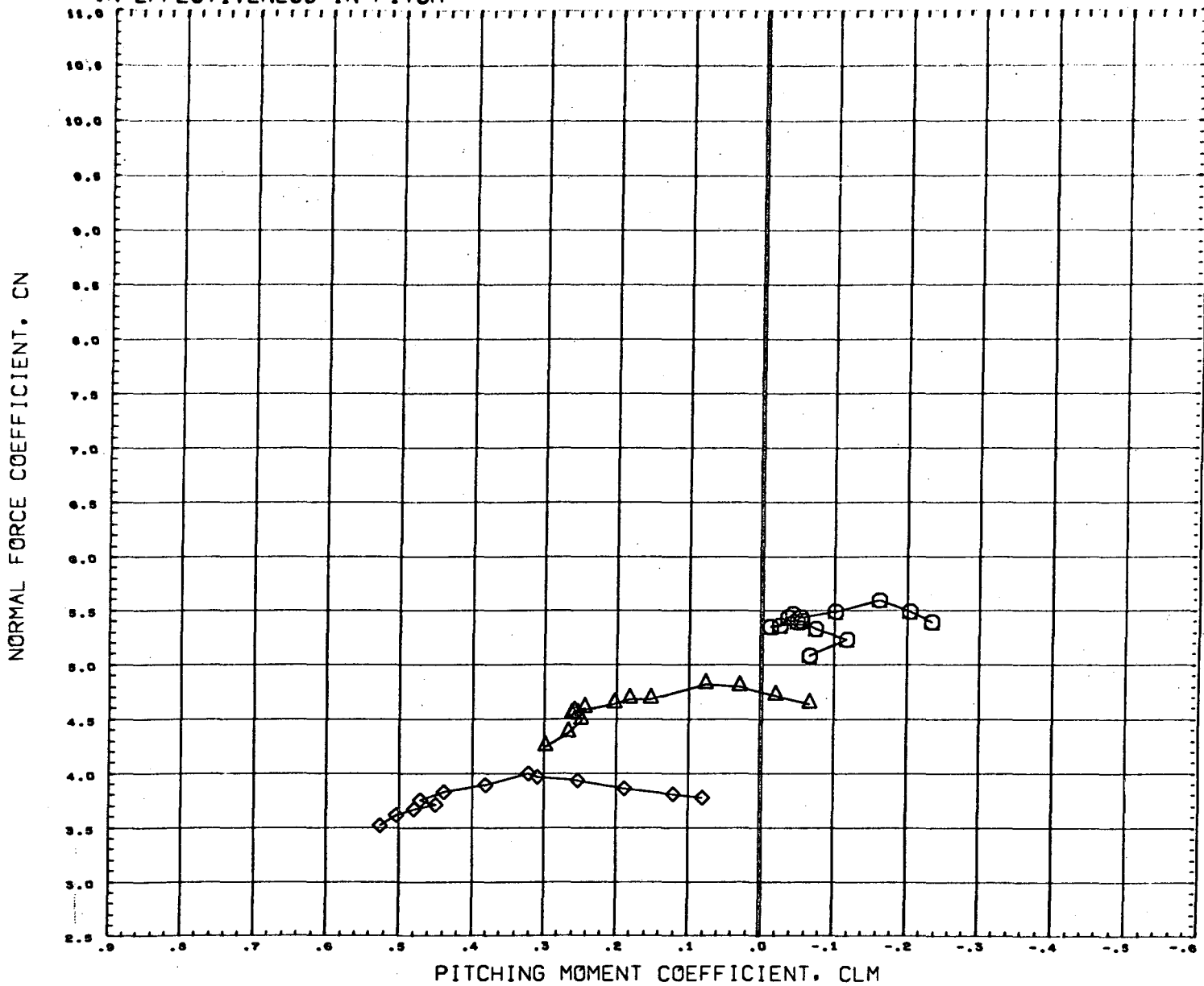
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(008502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	0.000
(A08512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-40.000
(A08522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.10

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# FIN EFFECTIVENESS IN PITCH

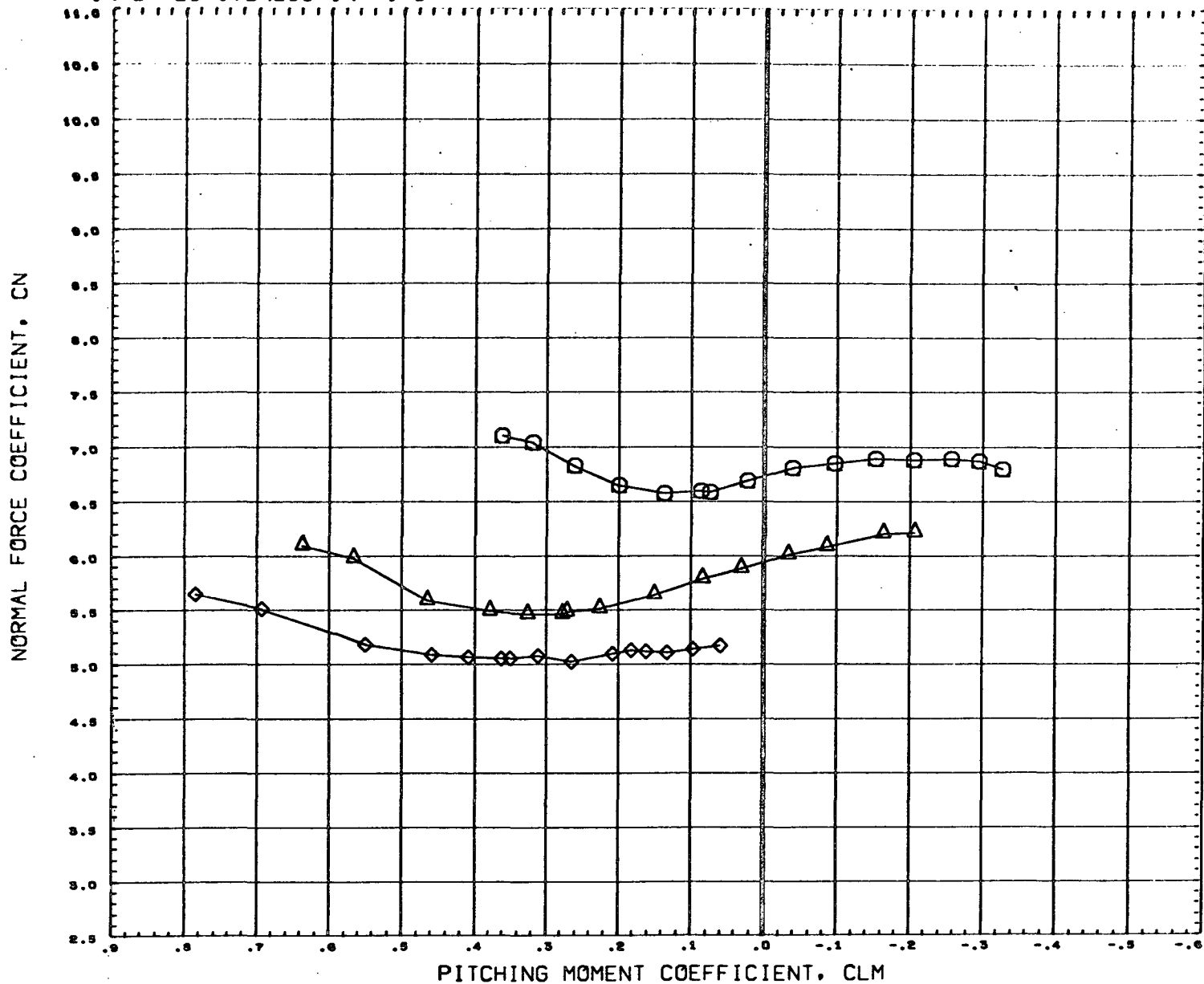


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(DD5502)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(AD5512)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F	0.000	-40.000	LREF 14.6830 INCHES
(AD5522)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F	0.000	-60.000	BREF 14.6830 INCHES
				XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH .35

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(008902)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(A08512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(A08922)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

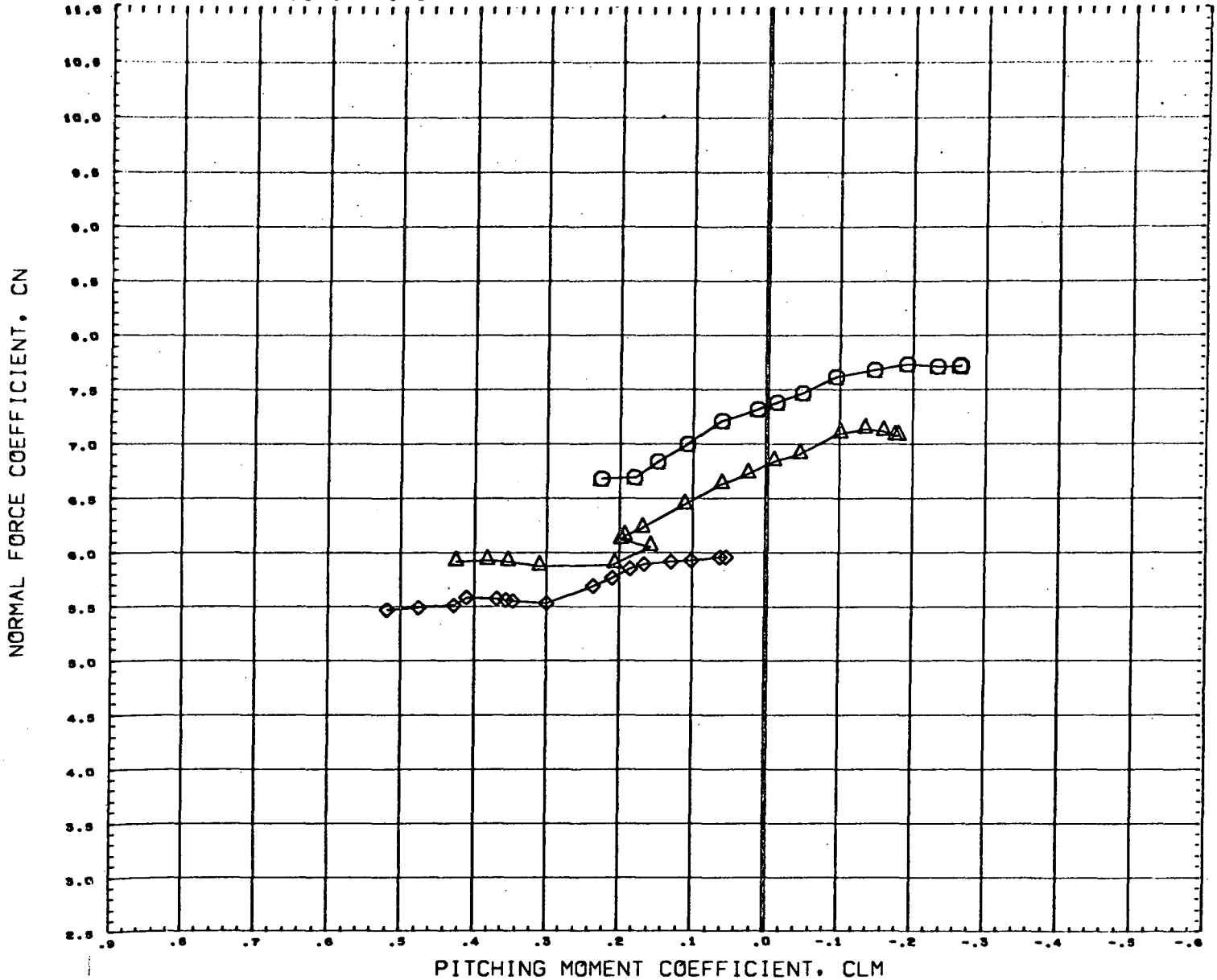
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6630 INCHES
BREF	14.6630 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH .80

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD6502)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(AD6512)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(AD6522)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F

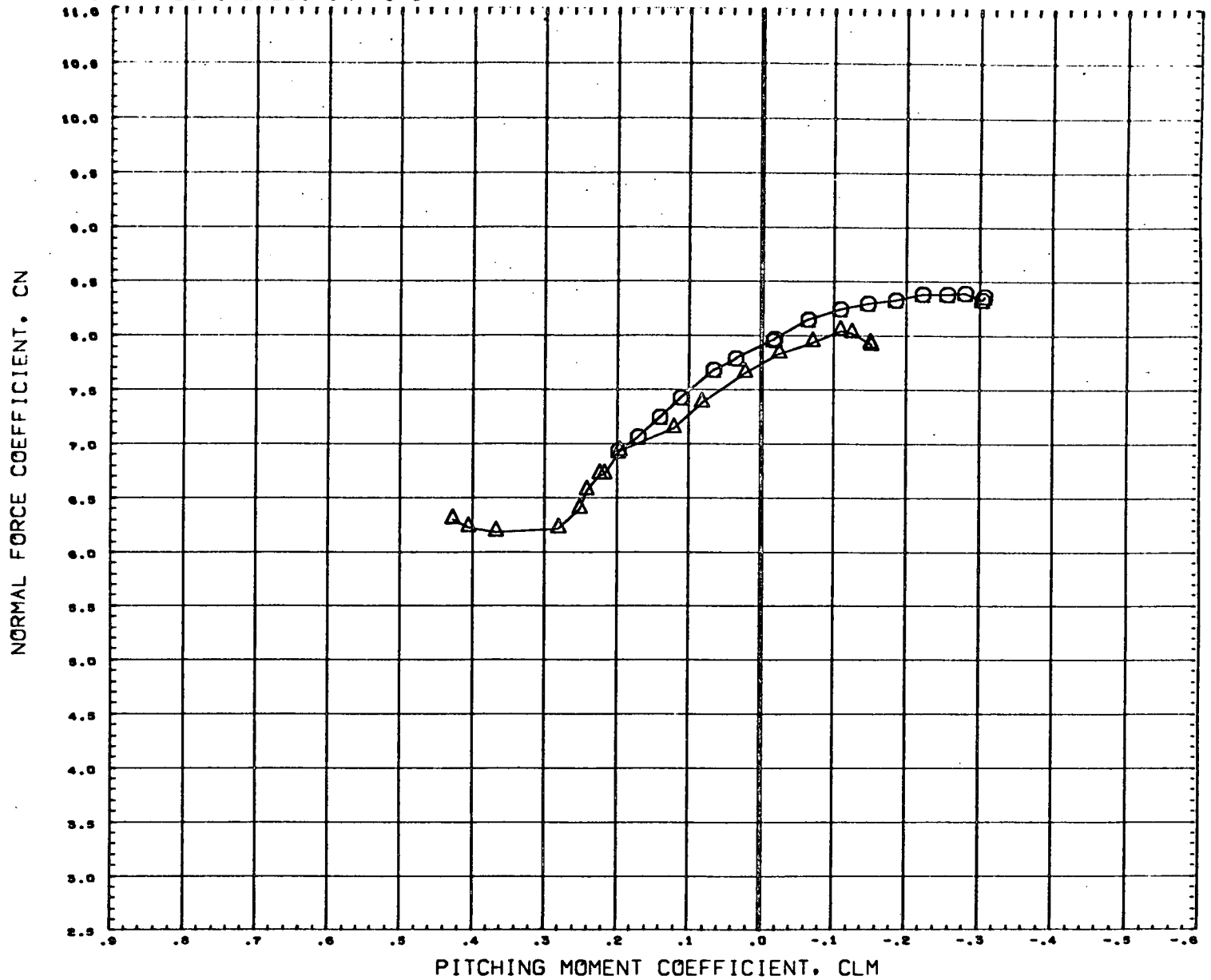
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

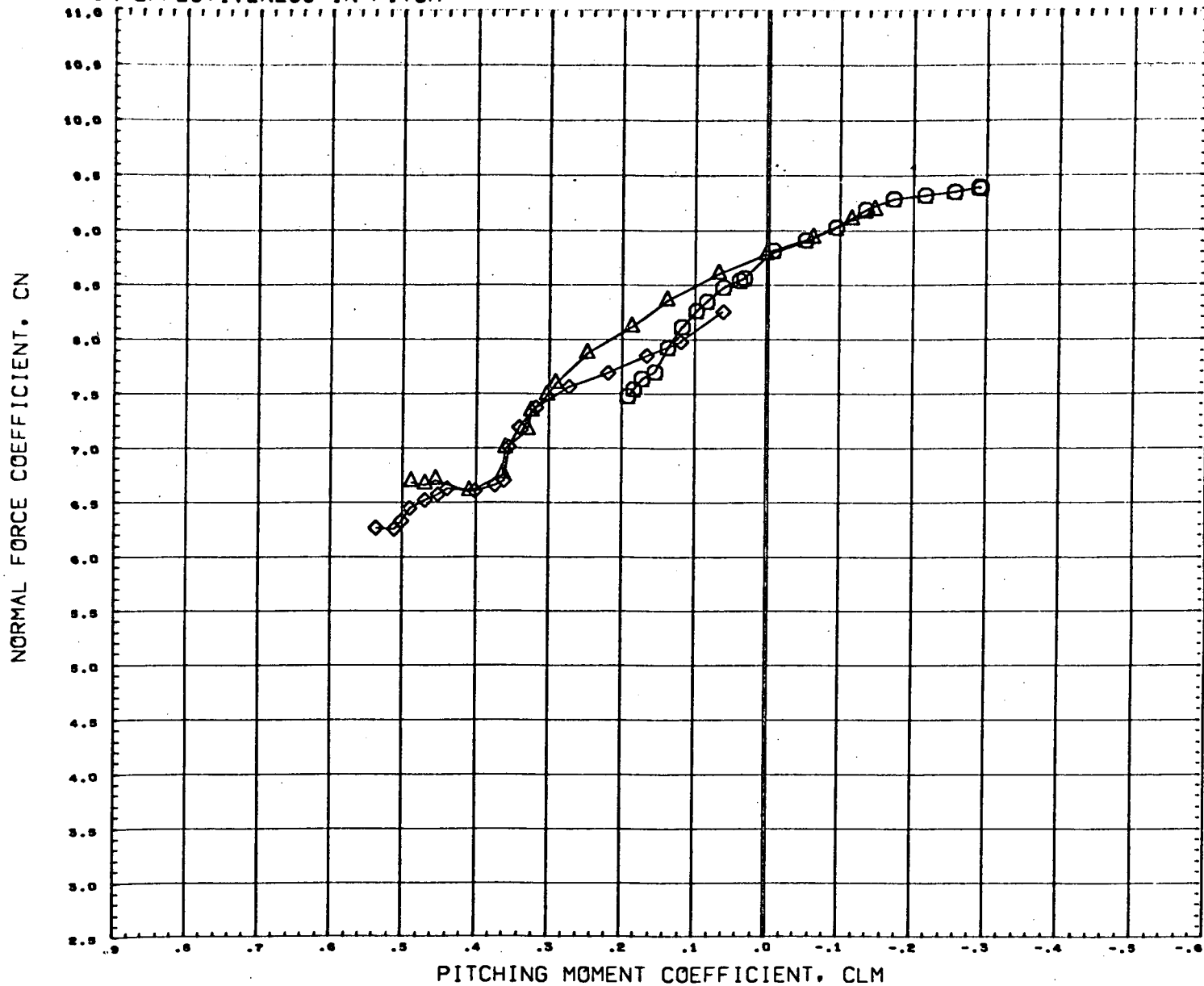
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .95

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# FIN EFFECTIVENESS IN PITCH



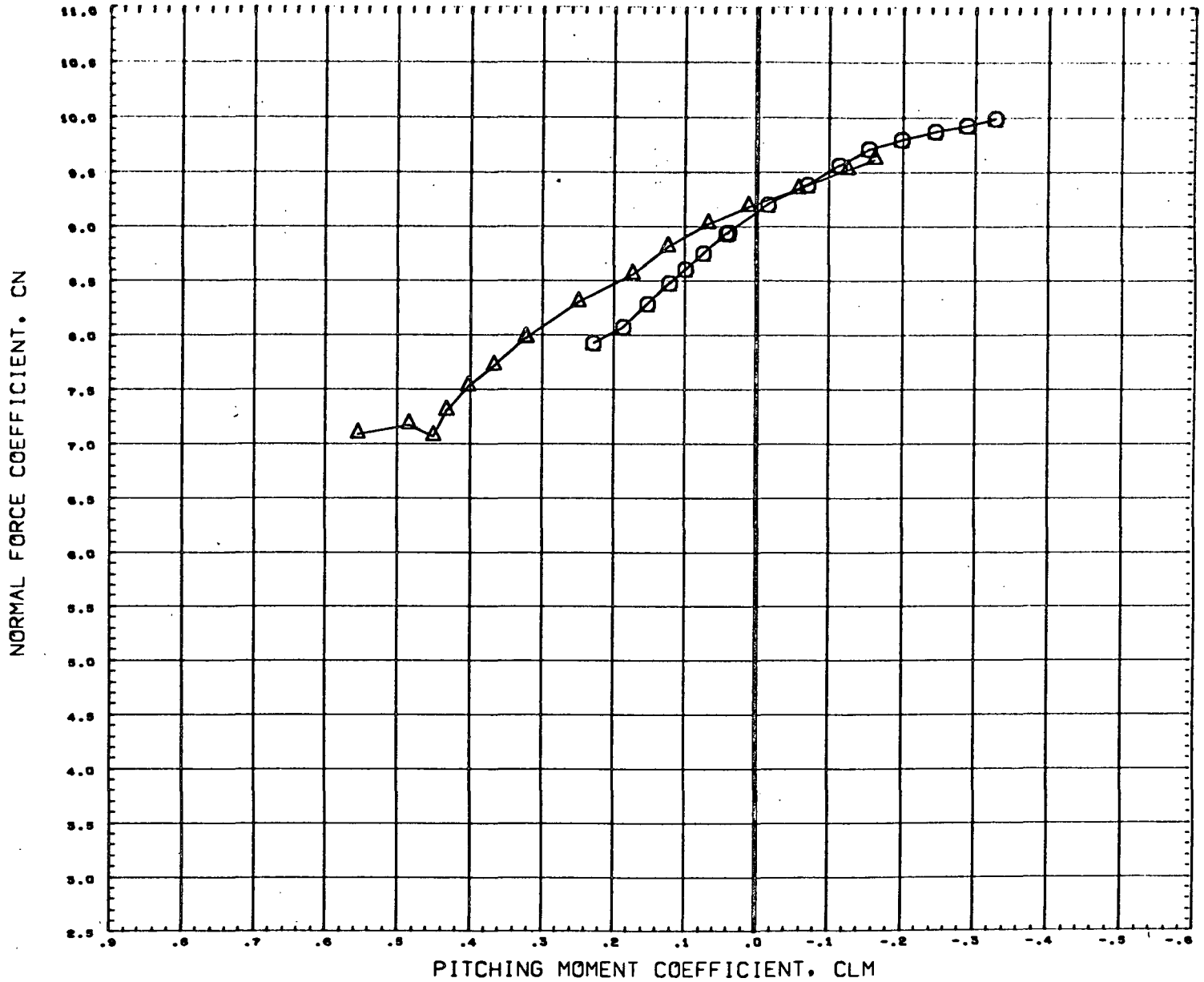
DATA SET SYMBOL	CONFIGURATION DESCRIPTION				BETA	DELTA V
(AD8502)	BTWT 1262/BSWT 557	PR-FED BRB	85S3V6F		0.000	0.000
(AD8512)	BTWT 1262/BSWT 557	PR-FED BRB	85S3V6F		0.000	-40.000
(AD8522)	BTWT 1262/BSWT 557	PR-FED BRB	85S3V6F		0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 1.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

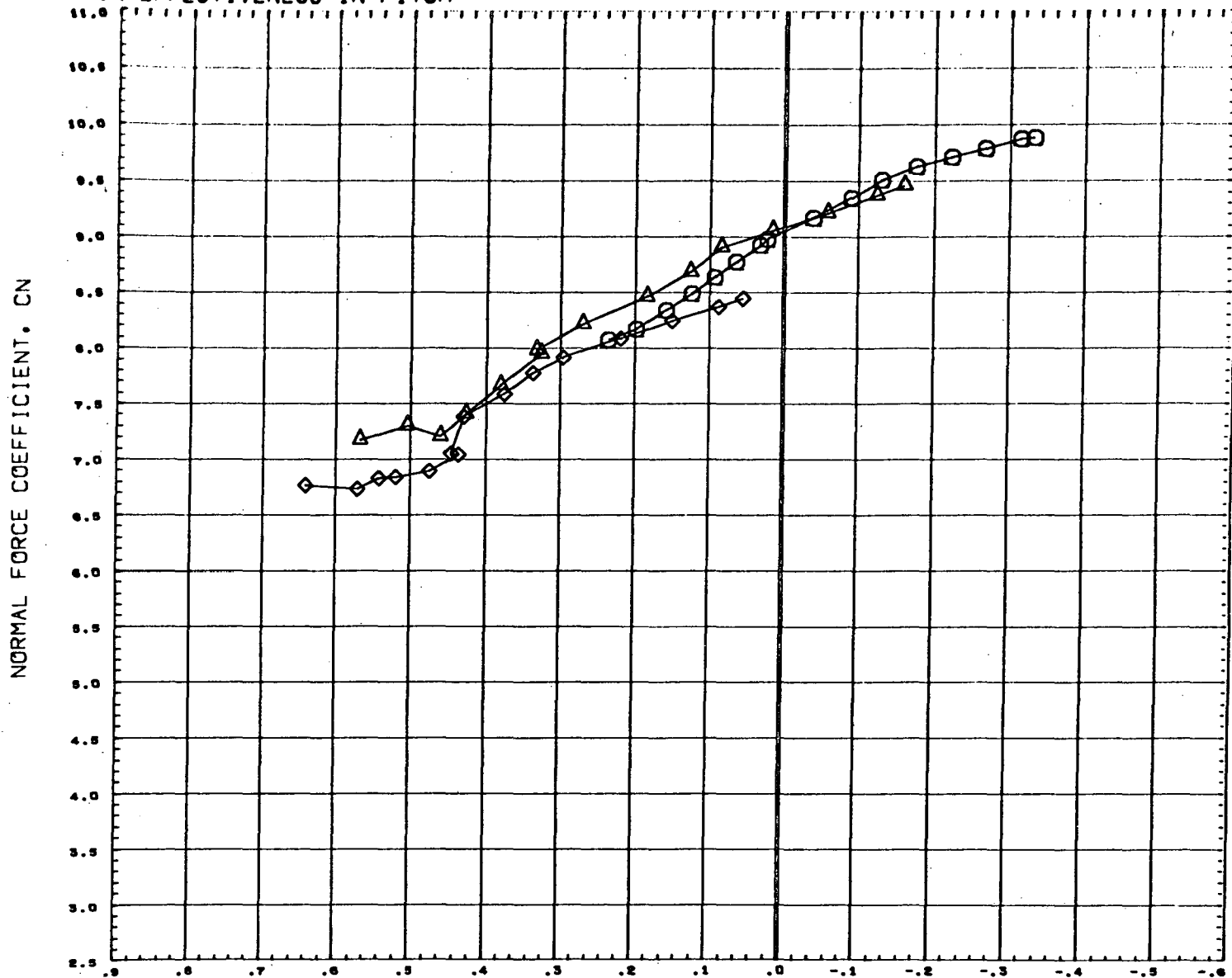
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.05

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F

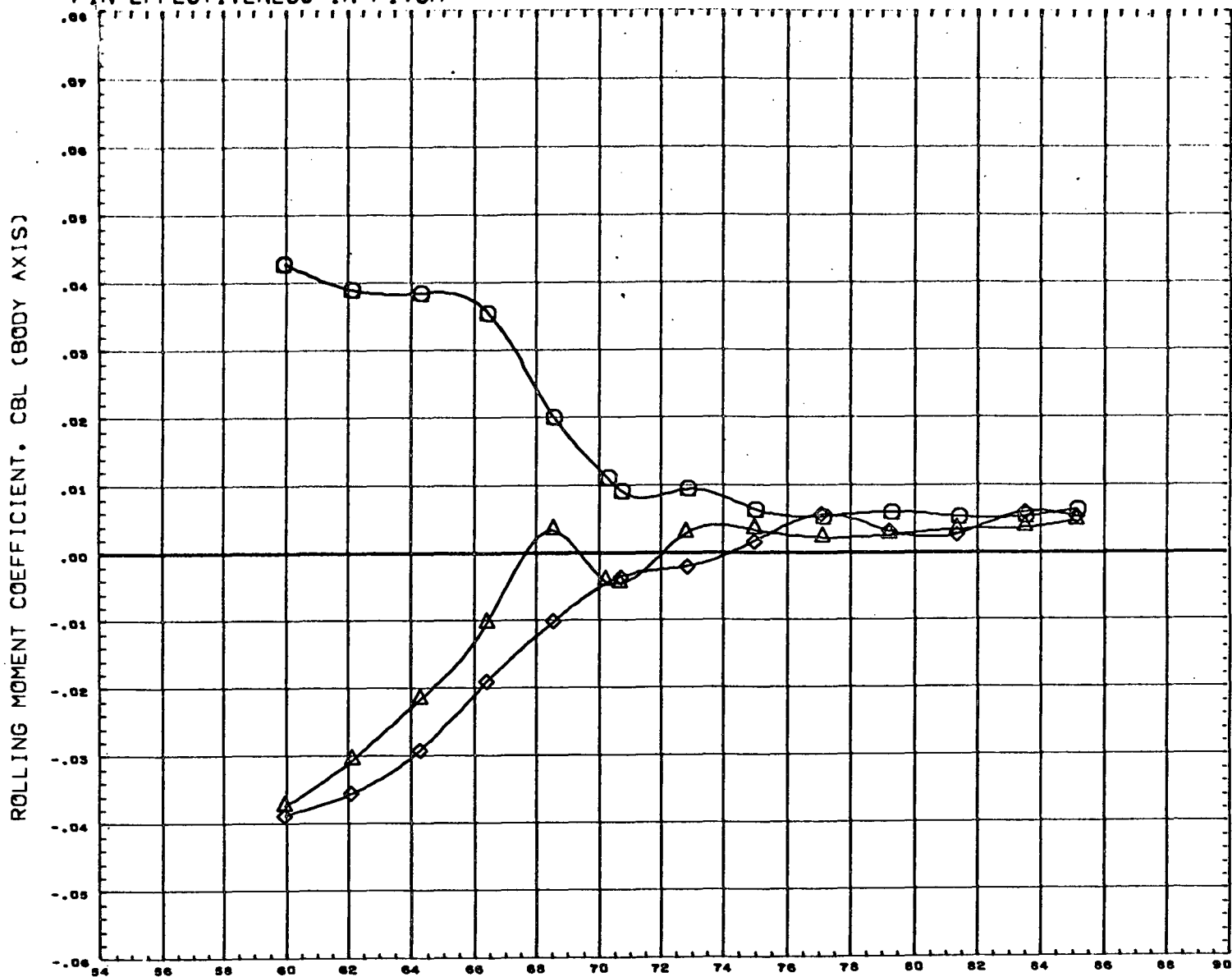
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.10

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# FIN EFFECTIVENESS IN PITCH



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AD8502)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6F
(AD8512)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6F
(AD8522)	BTWT 1282/BSWT 557	PR-FED BRB	85S3V6F

BETA DELTAV

0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

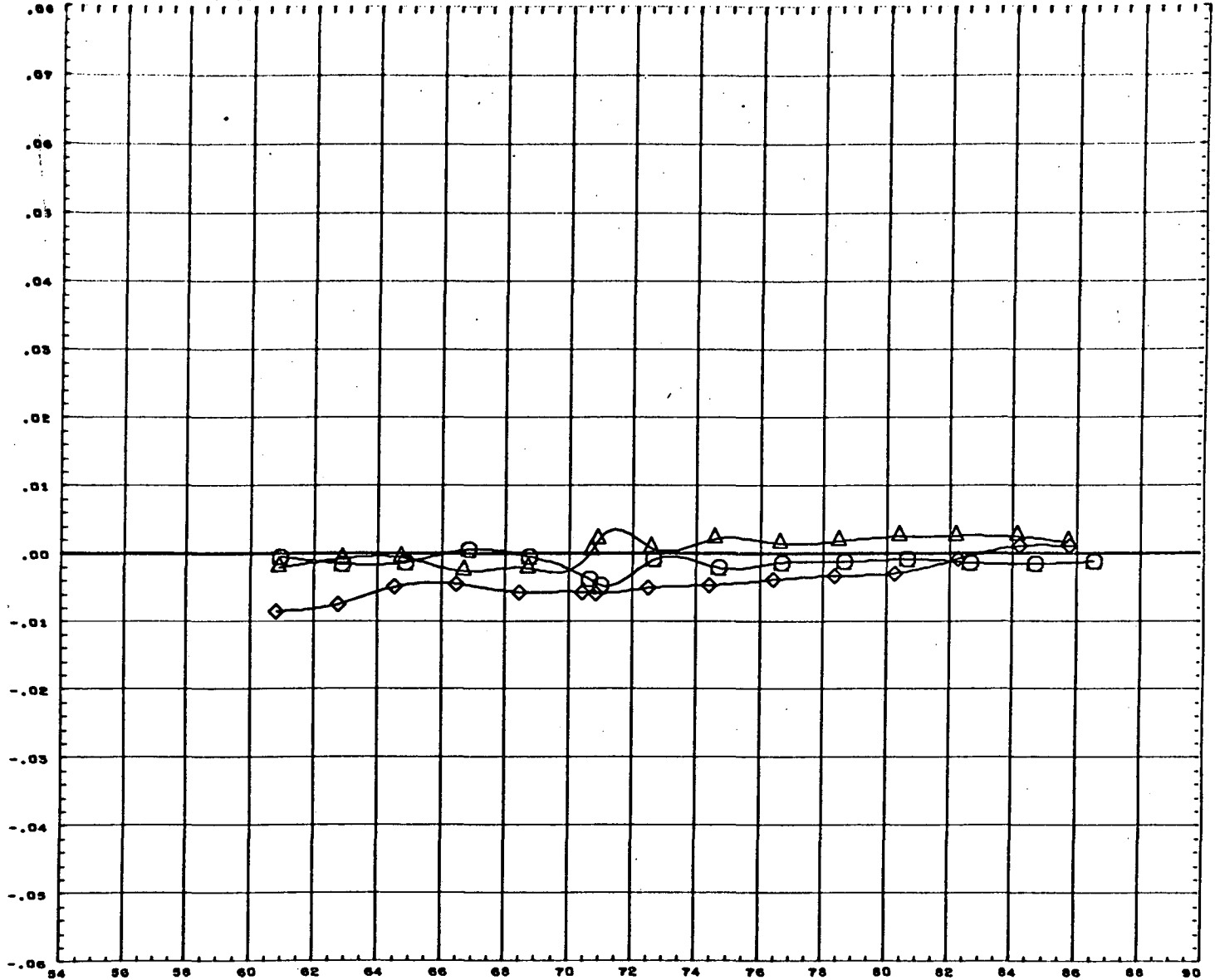
MACH

.35

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# FIN EFFECTIVENESS IN PITCH

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(008502)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

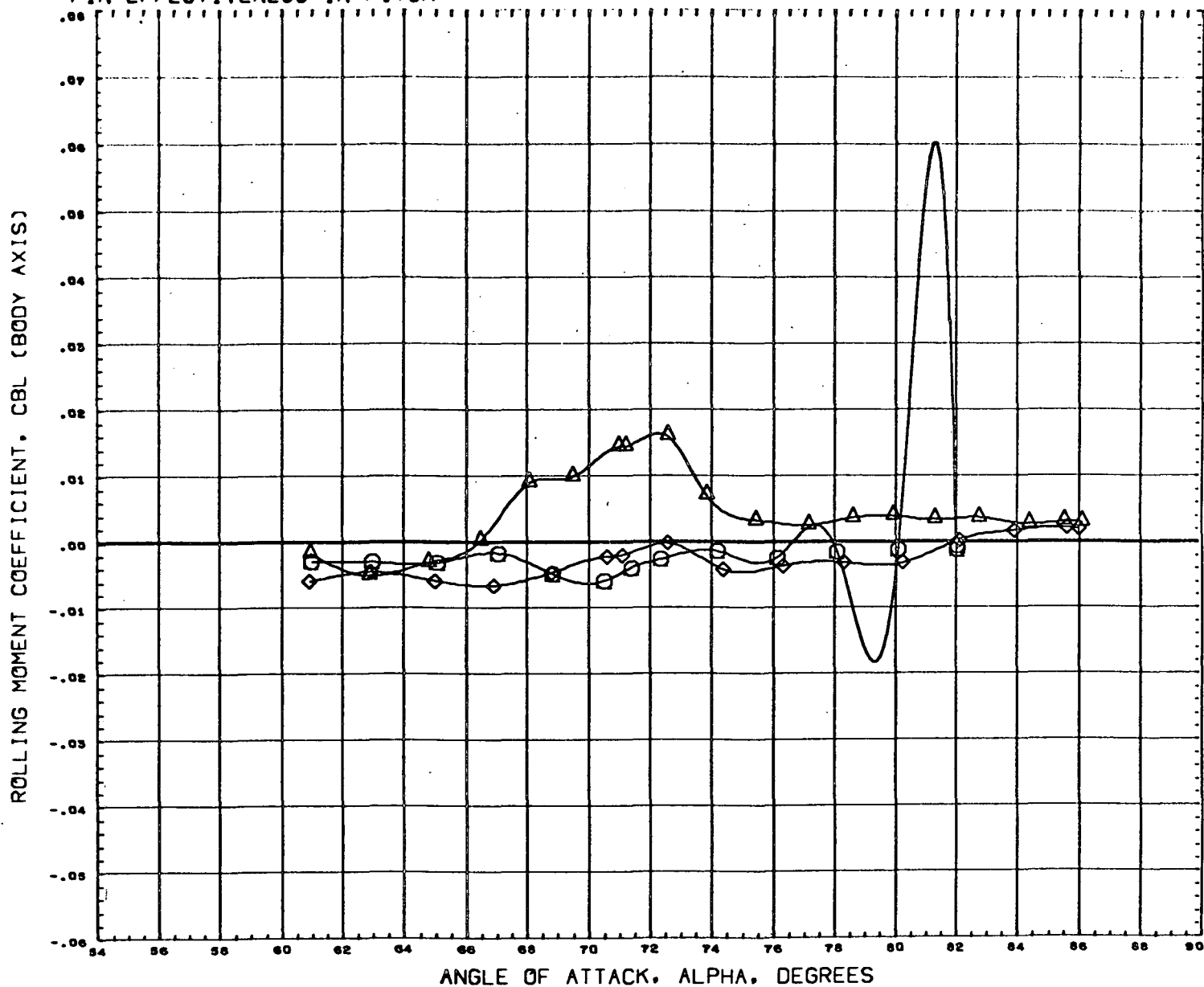
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

.80

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD6502)	BTWT 1262/85WT 557 PR-FED BRB 85S3V6F
(AD6512)	BTWT 1262/85WT 557 PR-FED BRB 85S3V6F
(AD6522)	BTWT 1262/85WT 557 PR-FED BRB 85S3V6F

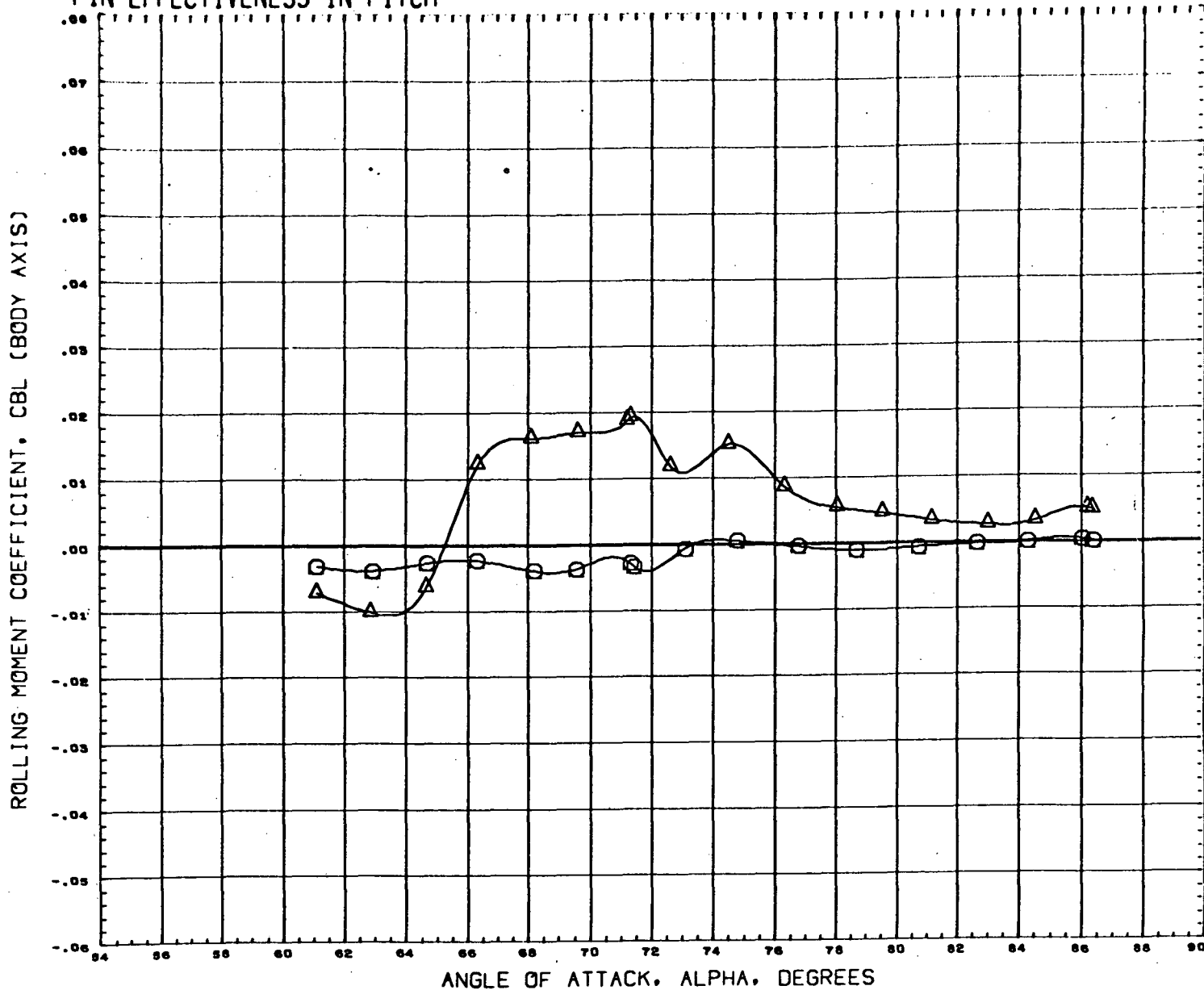
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

PAGE 568

# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(006902)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F
(A06912)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F
(A06922)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

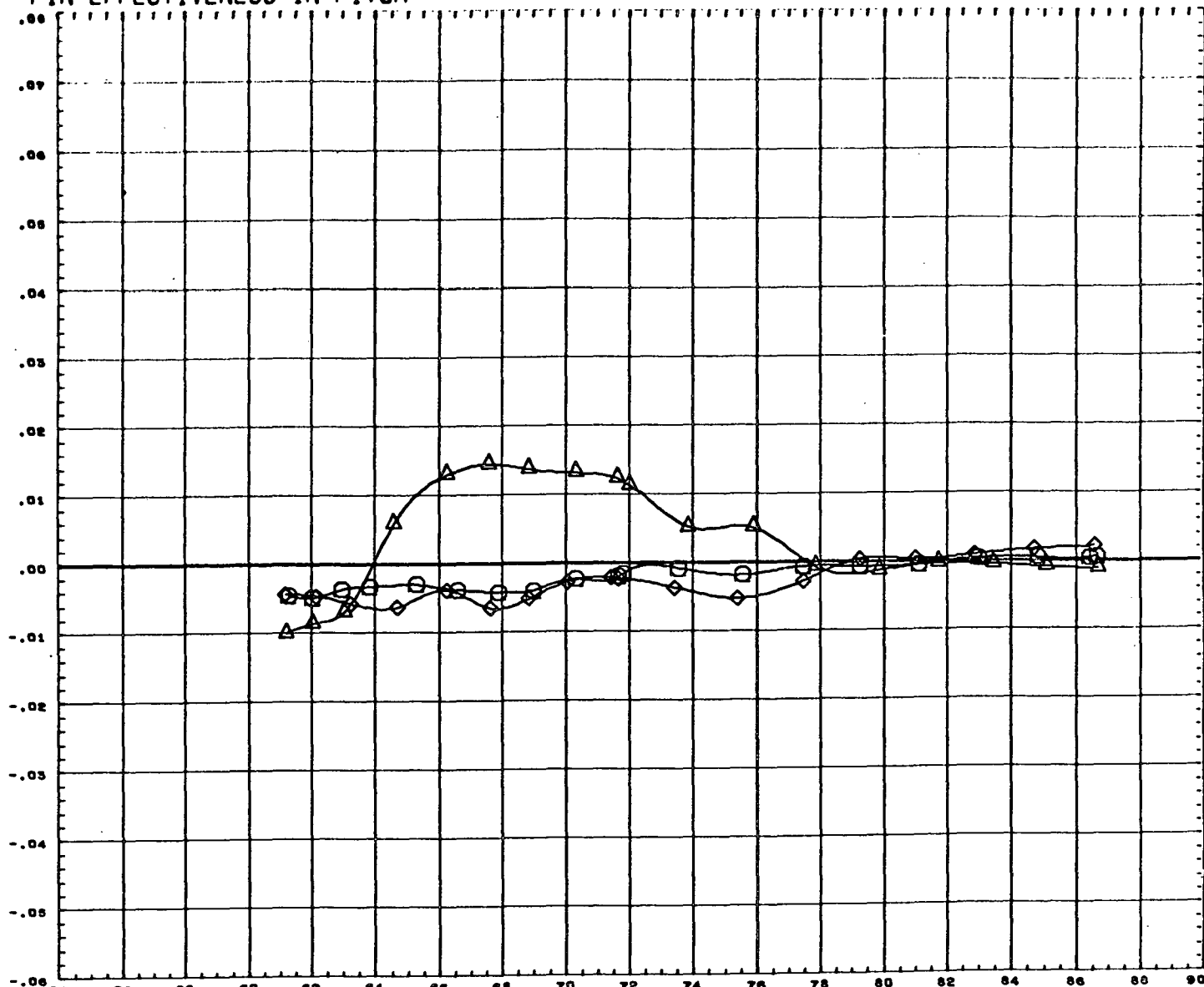
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH .95

PAGE 569

# FIN EFFECTIVENESS IN PITCH

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(008502)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F
(AD8512)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F
(AD8522)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F

BETA DELTAV

0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION

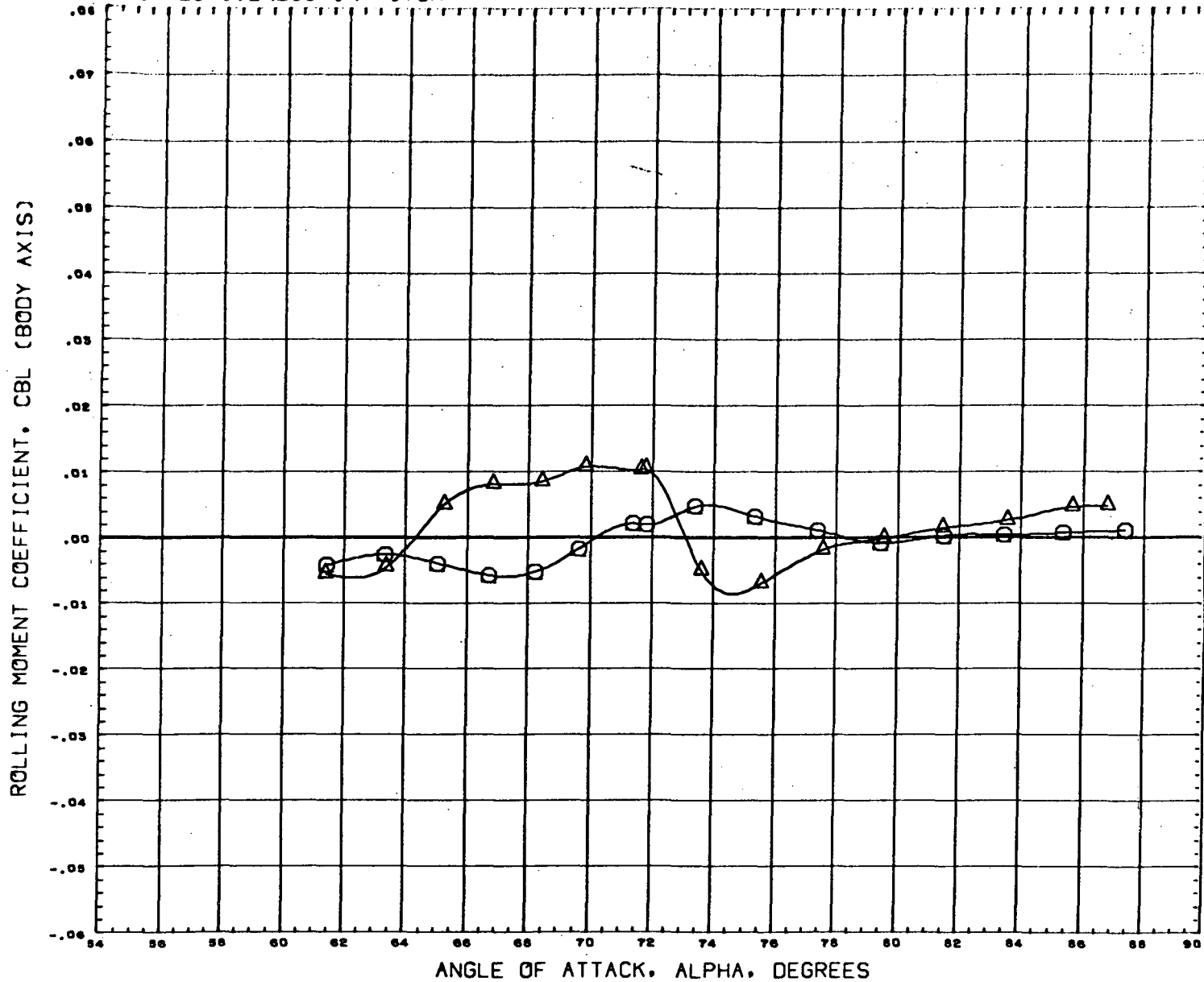
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH

1.00

PAGE 570

# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD6502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD6512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

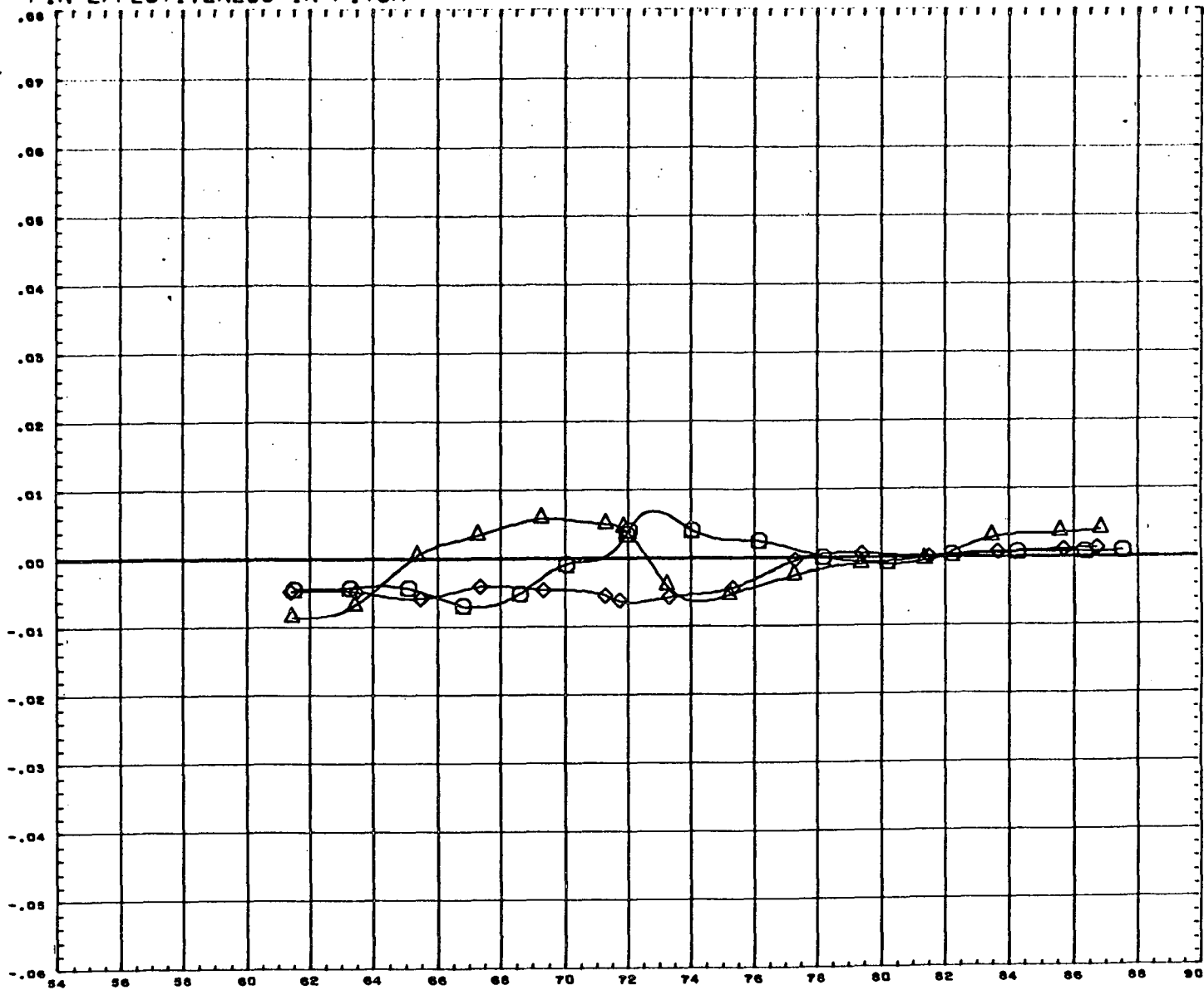
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

PAGE 571

# FIN EFFECTIVENESS IN PITCH

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8302)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(AD8312)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(AD8322)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

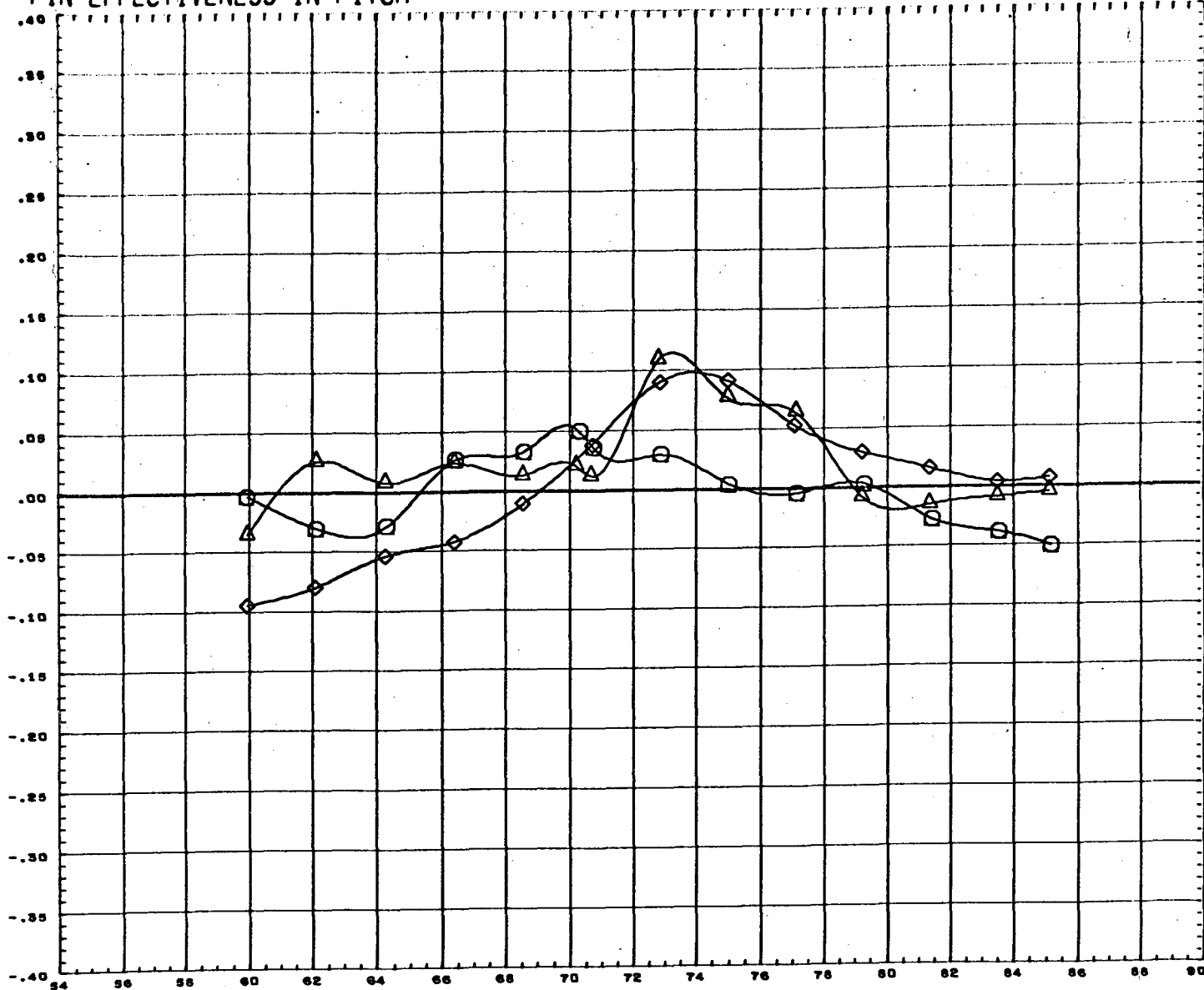
MACH 1.10

PAGE 572



# FIN EFFECTIVENESS IN PITCH

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(OD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

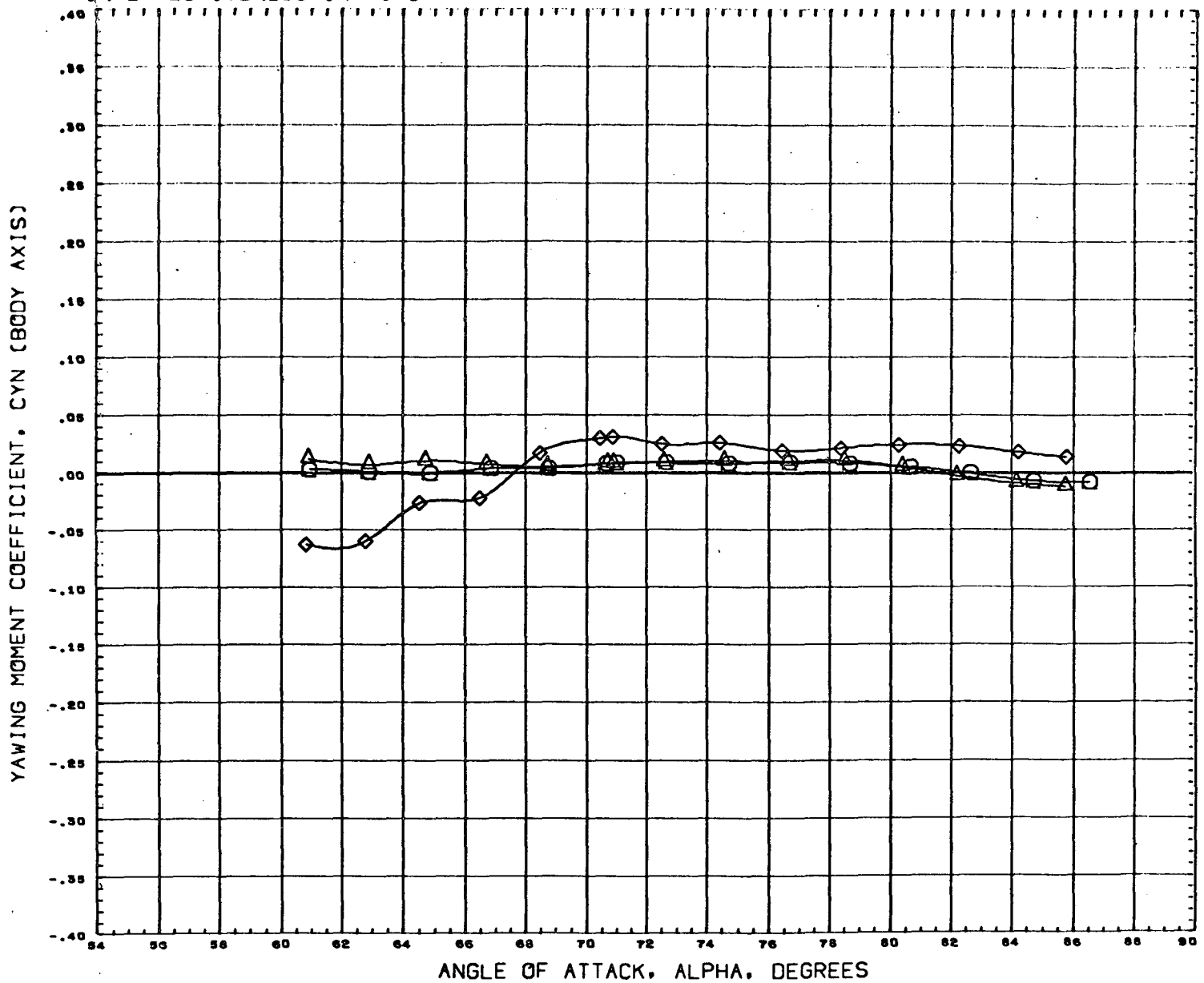
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .35

PAGE 573

# FIN EFFECTIVENESS IN PITCH

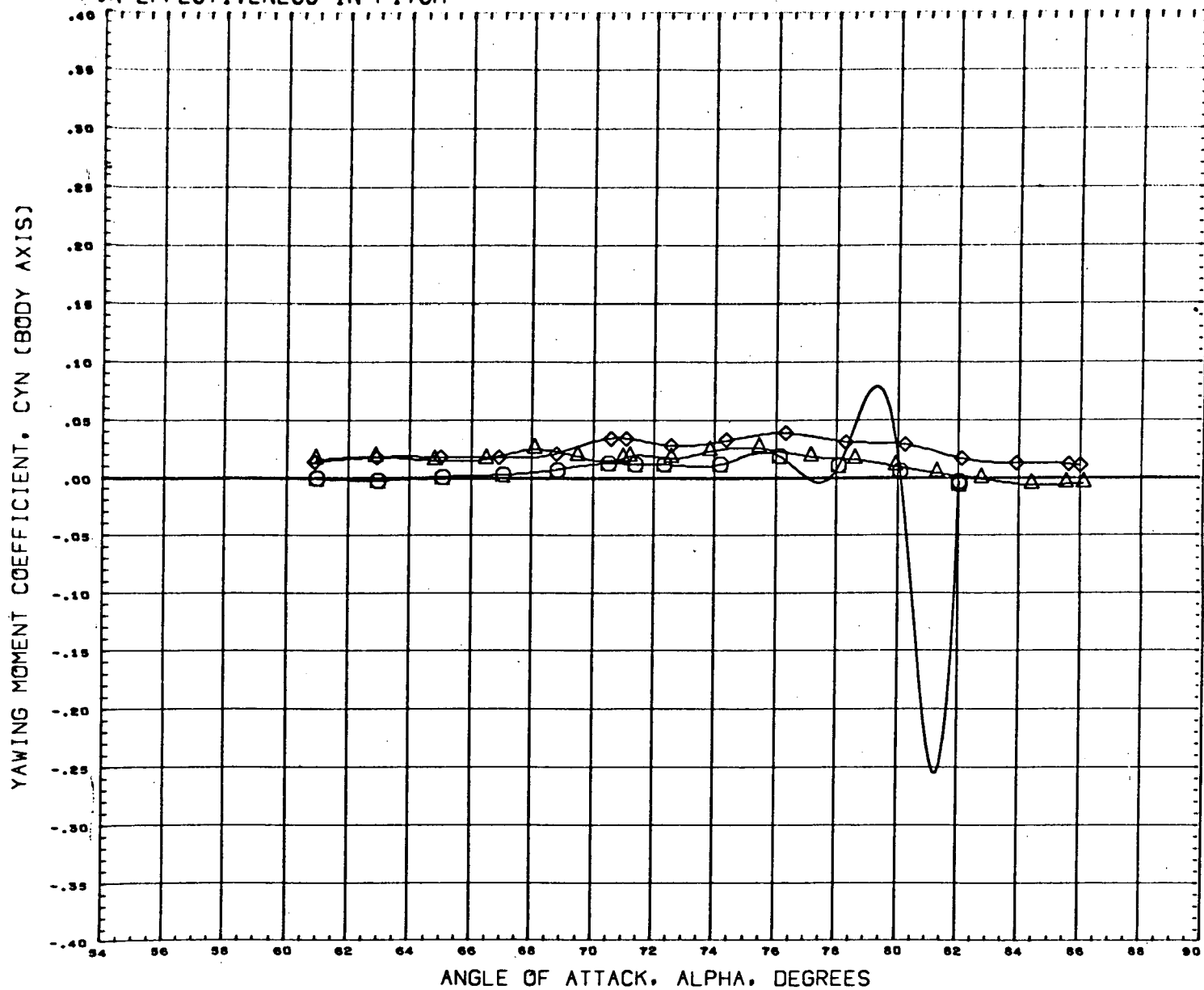


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-40.000	LREF 14.6830 INCHES
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-60.000	BREF 14.6830 INCHES
				XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.6899 PERCENT

MACH .80

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	0.000
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-40.000
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-60.000

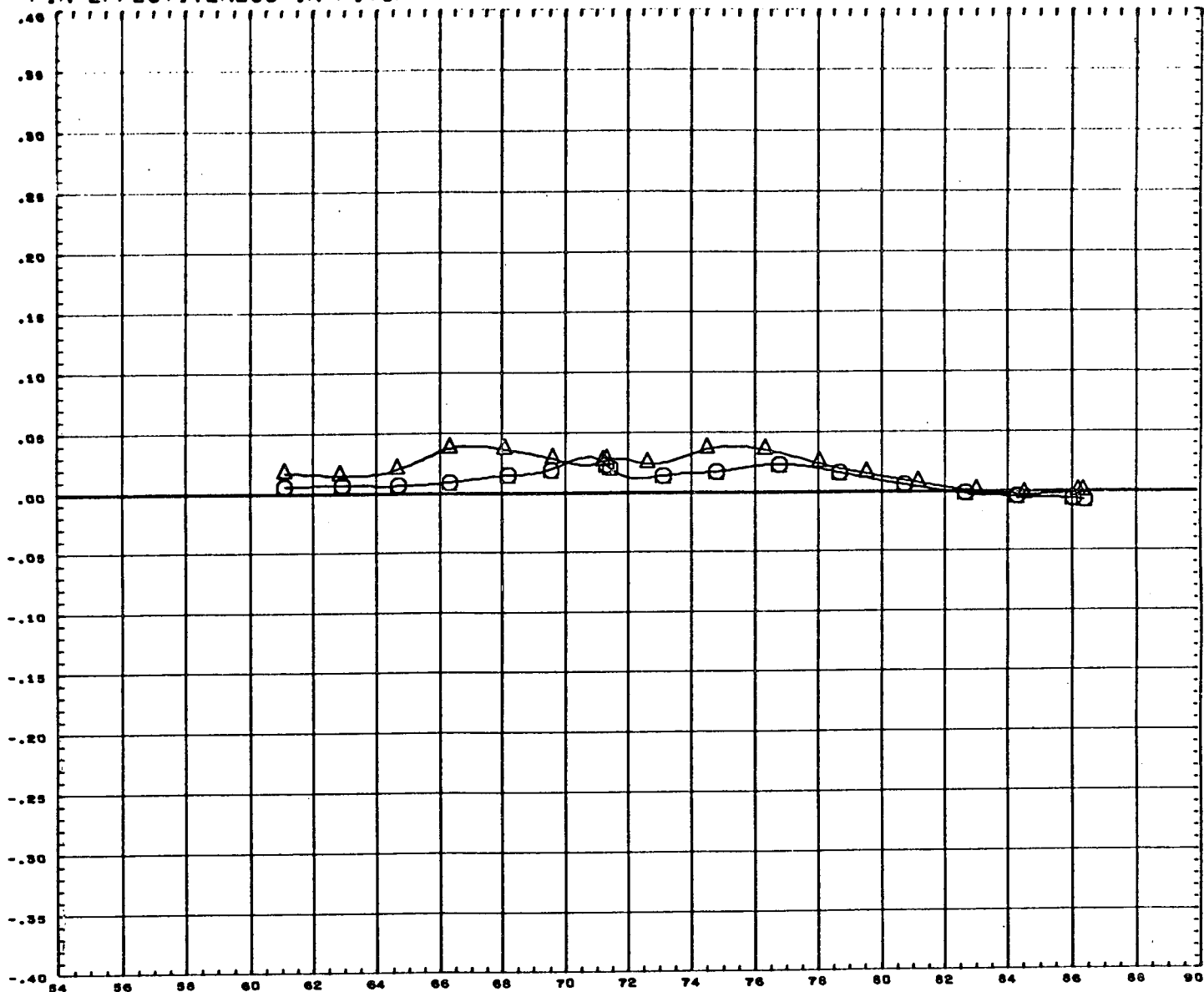
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH .90

PAGE 575

# FIN EFFECTIVENESS IN PITCH

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

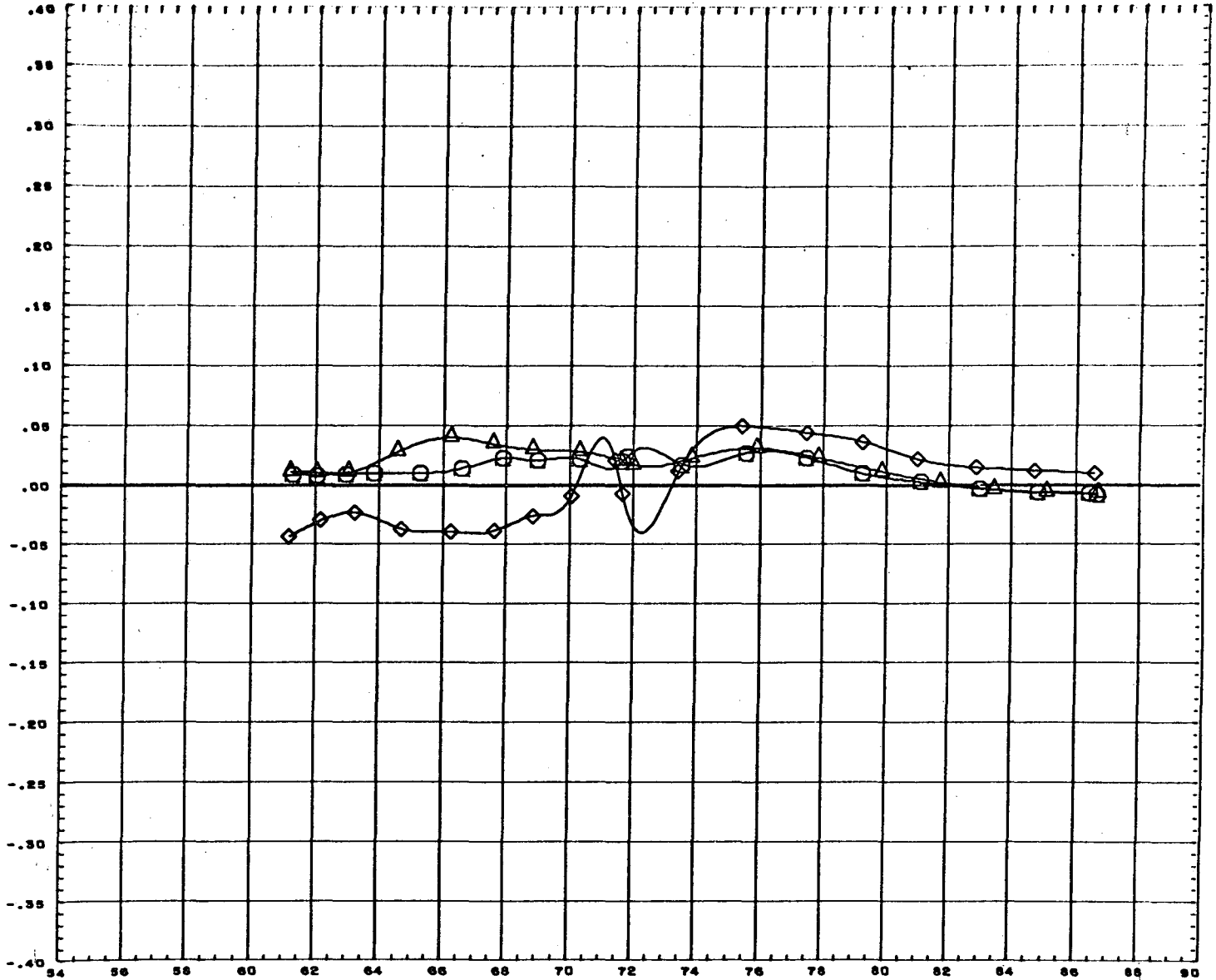
REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .95

PAGE 576

# FIN EFFECTIVENESS IN PITCH

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

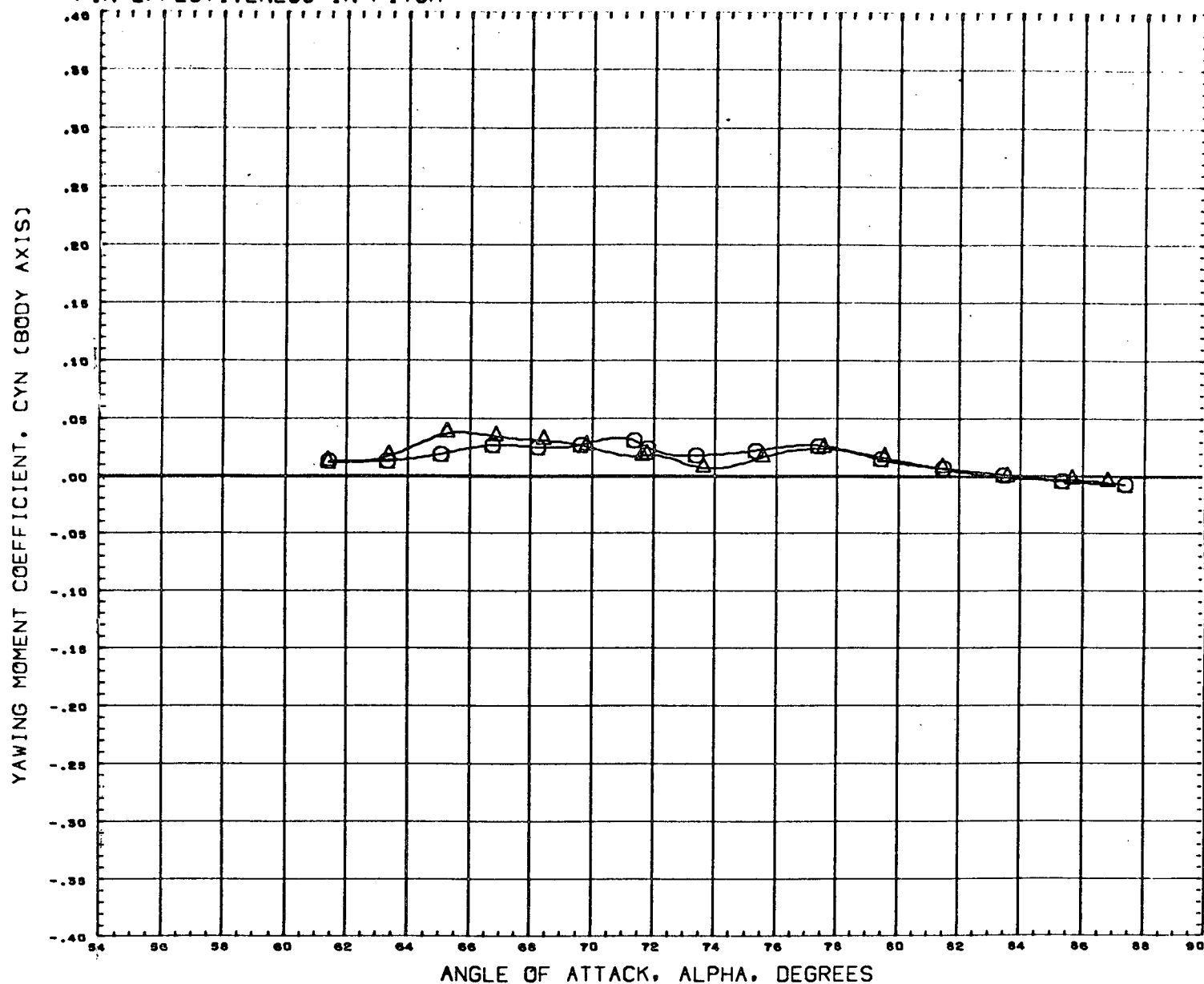
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV
(DD6502)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD6512)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	-40.000
(AD6522)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(008502)	BTWT 1282/BSWT 557 PR-FED BRB 8533V6F
(A08512)	BTWT 1282/BSWT 557 PR-FED BRB 8533V6F
(A08522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

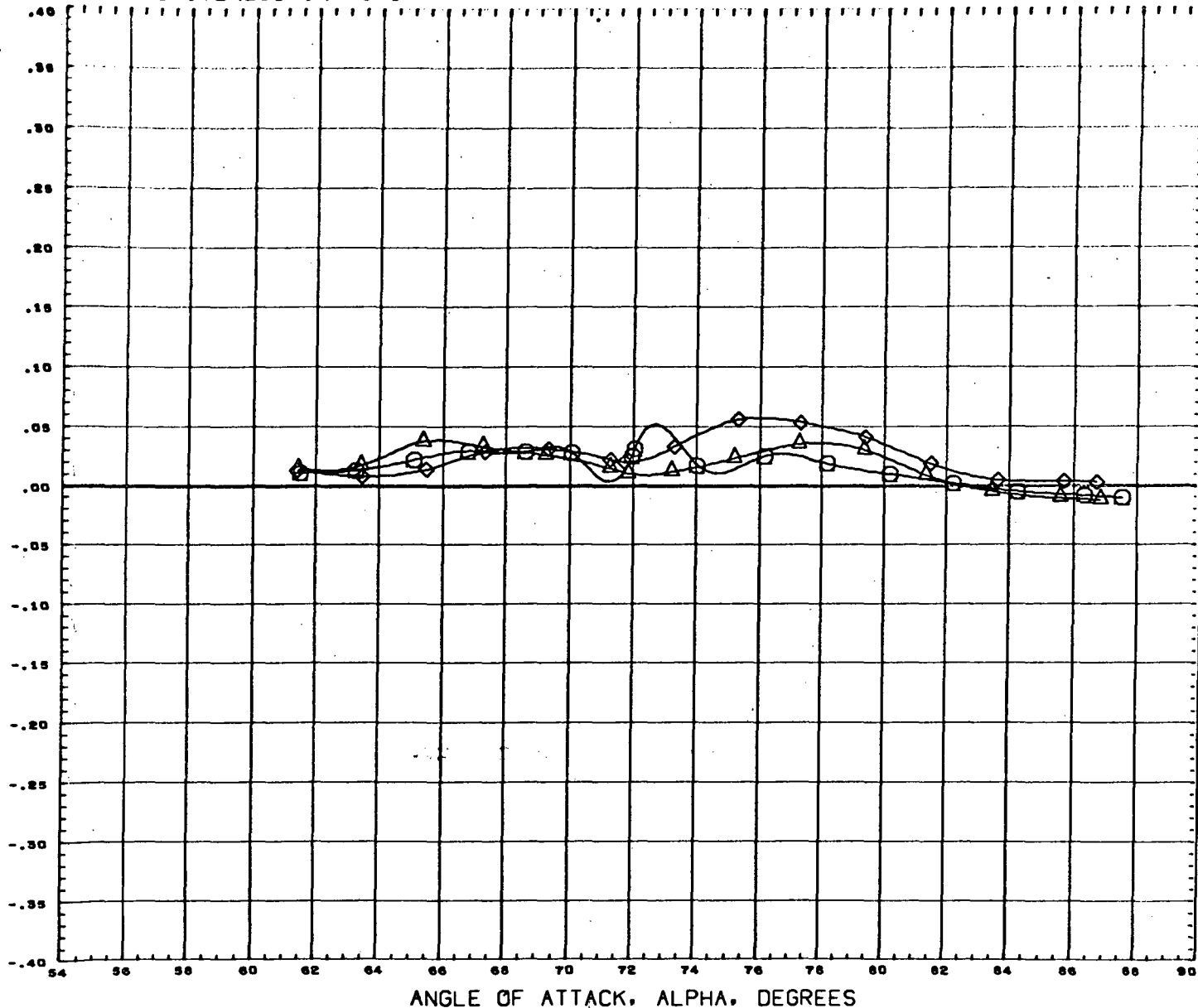
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6699	PERCNT

MACH 1.05

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# FIN EFFECTIVENESS IN PITCH

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD6502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD6512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD6522)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

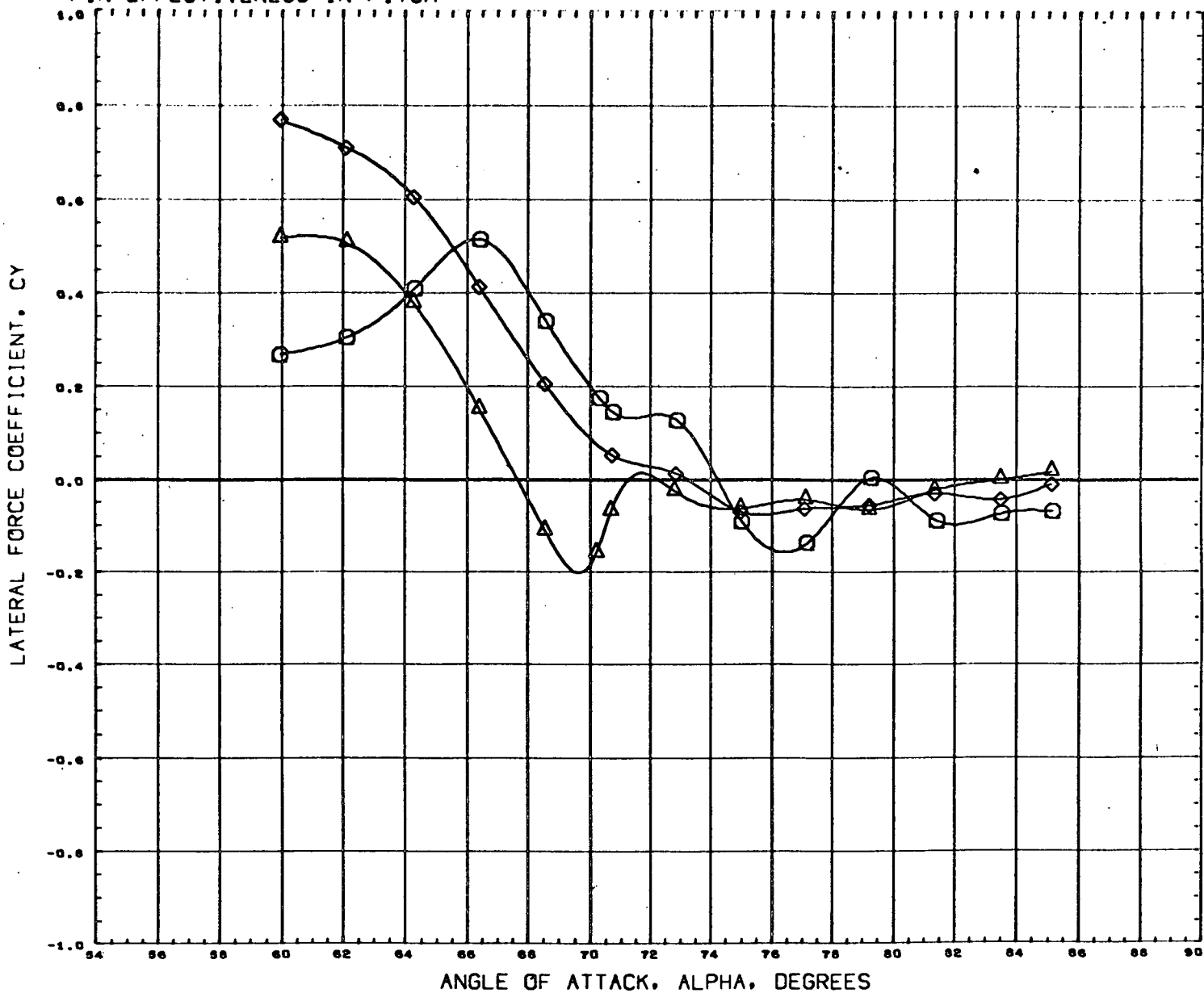
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.10

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(008502) BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F

(AD8512) BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F

(AD8522) BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F

BETA DELTAV

0.000 0.000

0.000 -40.000

0.000 -60.000

REFERENCE INFORMATION

SREF 9.7500 SQ. IN.

LREF 14.6630 INCHES

BREF 14.6630 INCHES

XMRP 0.6000 LBODY

YMRP 0.0000 INCHES

ZMRP 0.0000 INCHES

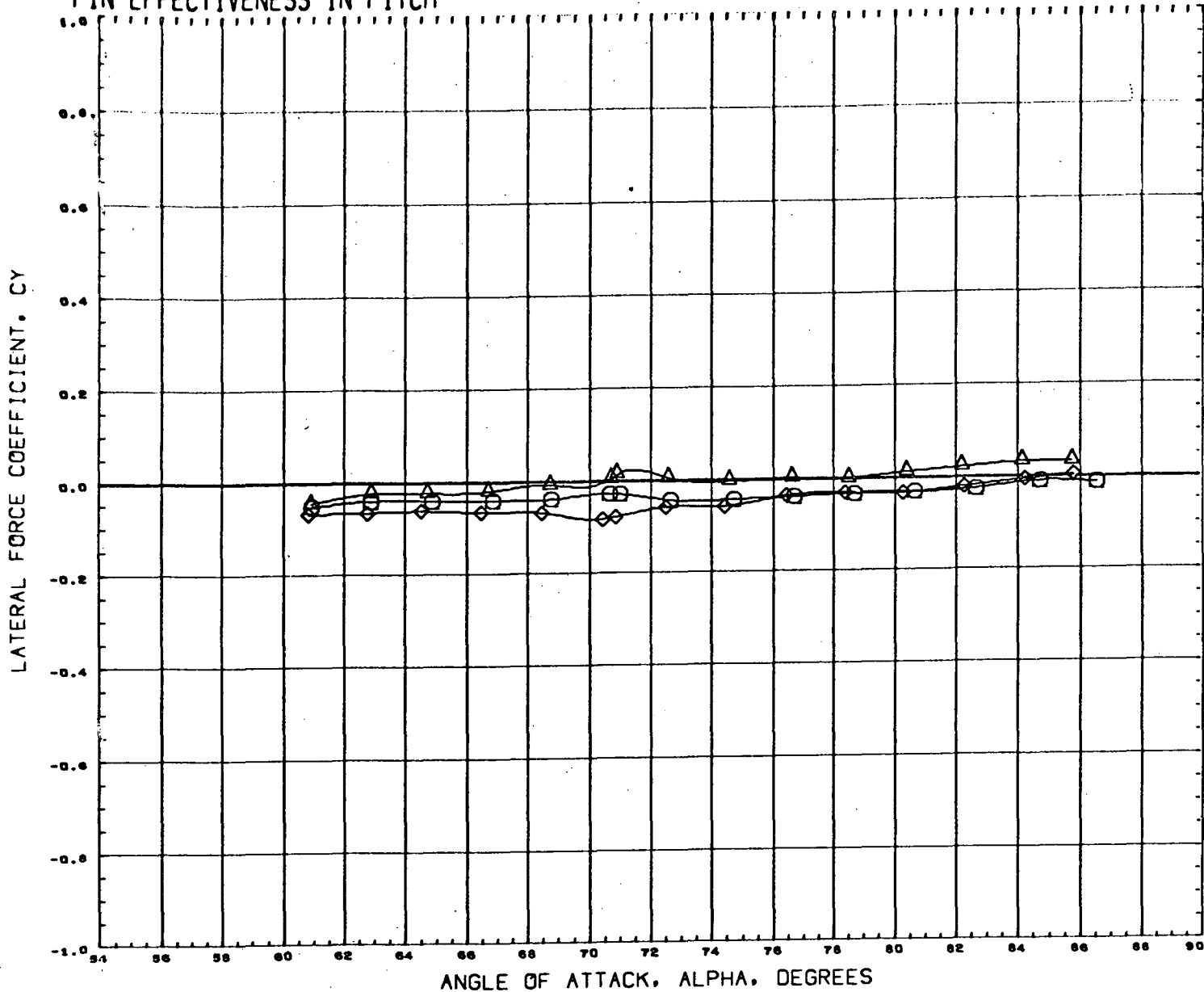
SCALE 0.8899 PERCENT

MACH .35

PAGE 580



# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8512)	△	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(AD8522)	◇	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

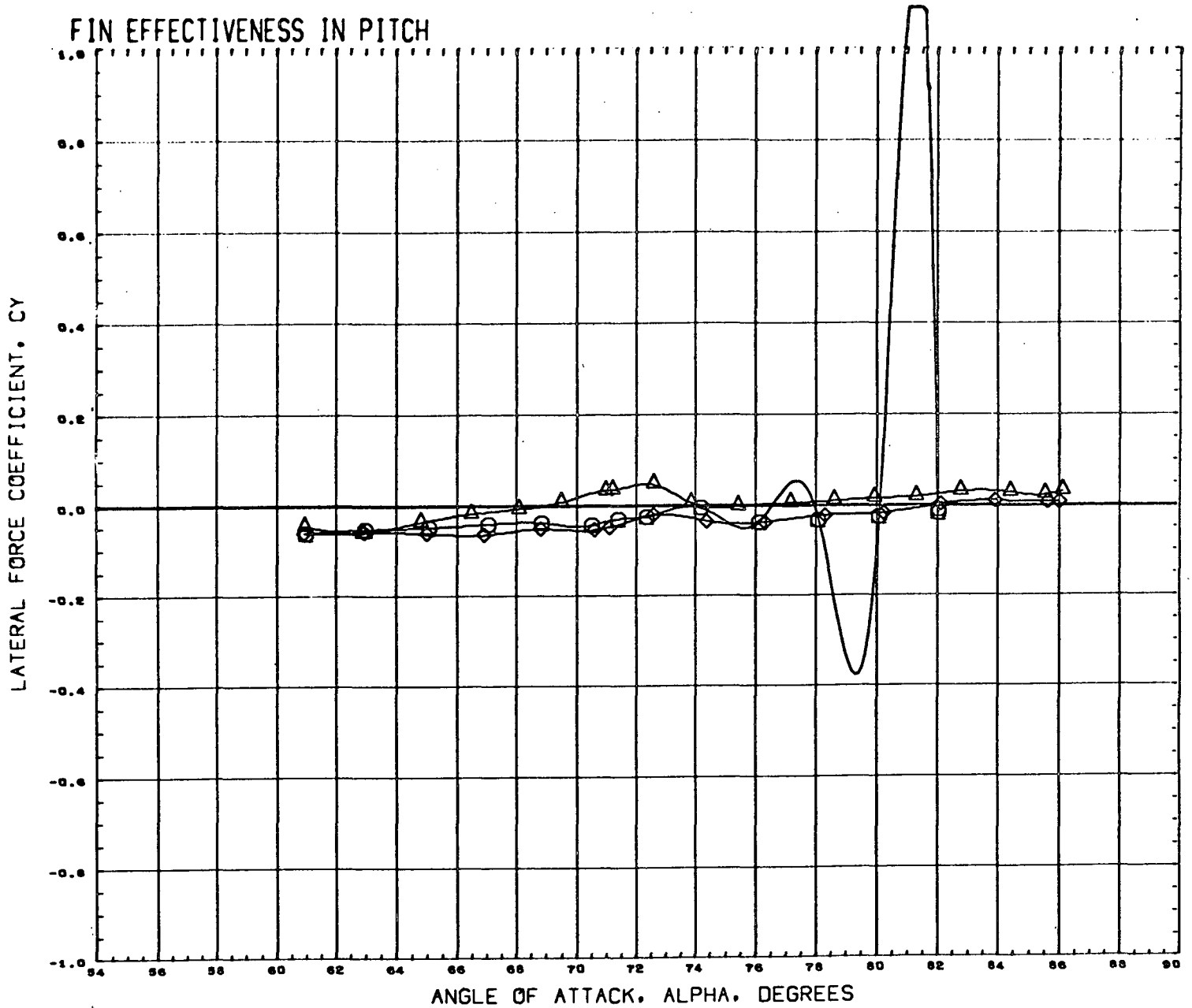
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .80

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DD8502) BTWT 1262/BSWT 557 PR-FED BRB 8553V6F

(AD8512) BTWT 1262/BSWT 557 PR-FED BRB 8553V6F

(AD8522) BTWT 1262/BSWT 557 PR-FED BRB 8553V6F

BETA DELTAV

0.000 0.000

0.000 -40.000

0.000 -60.000

REFERENCE INFORMATION

SREF 9.7500 SQ. IN.

LREF 14.6830 INCHES

BREF 14.6830 INCHES

XMRP 0.0000 LBODY

YMRP 0.0000 INCHES

ZMRP 0.0000 INCHES

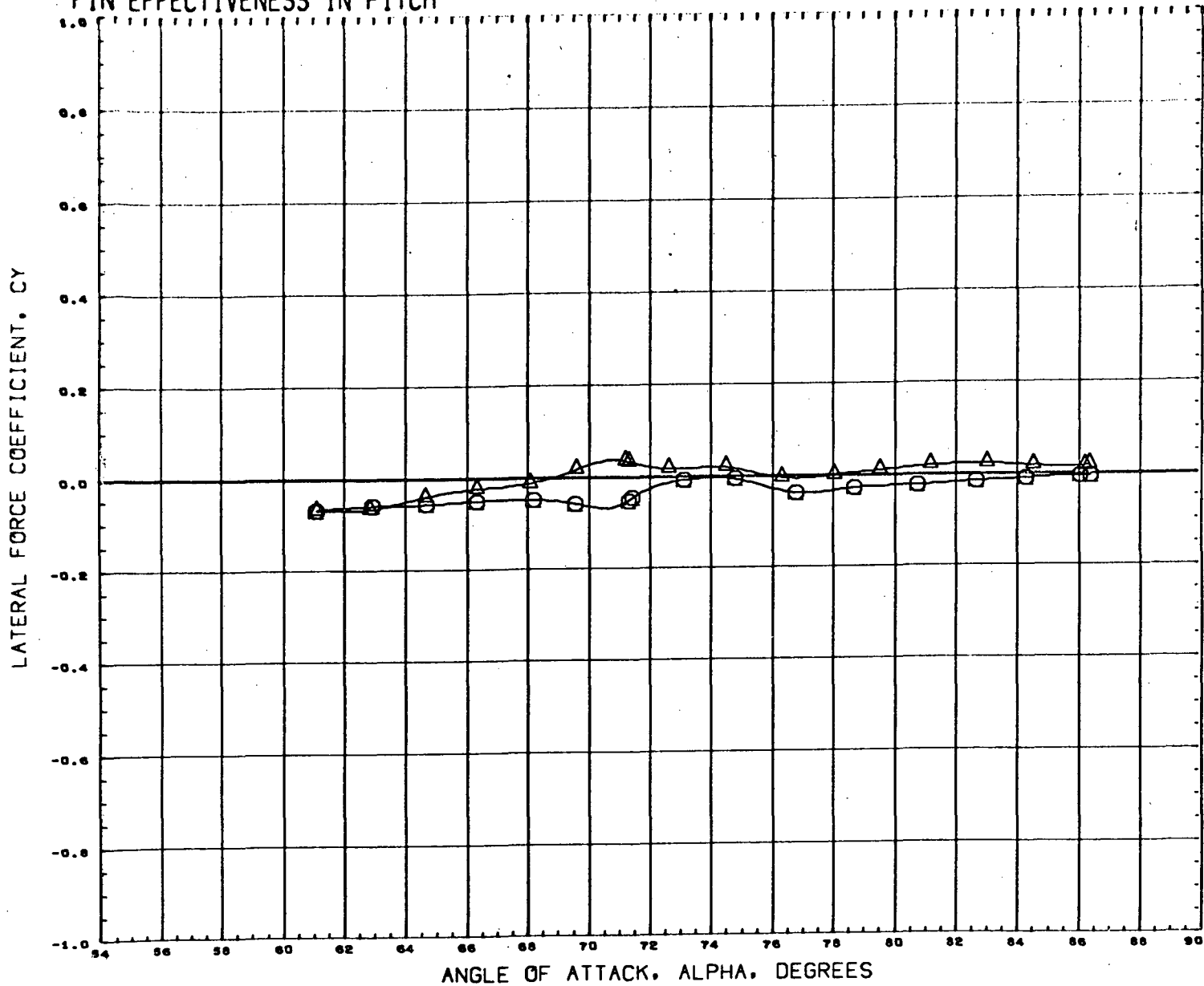
SCALE 0.8899 PERCENT

MACH

.90

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

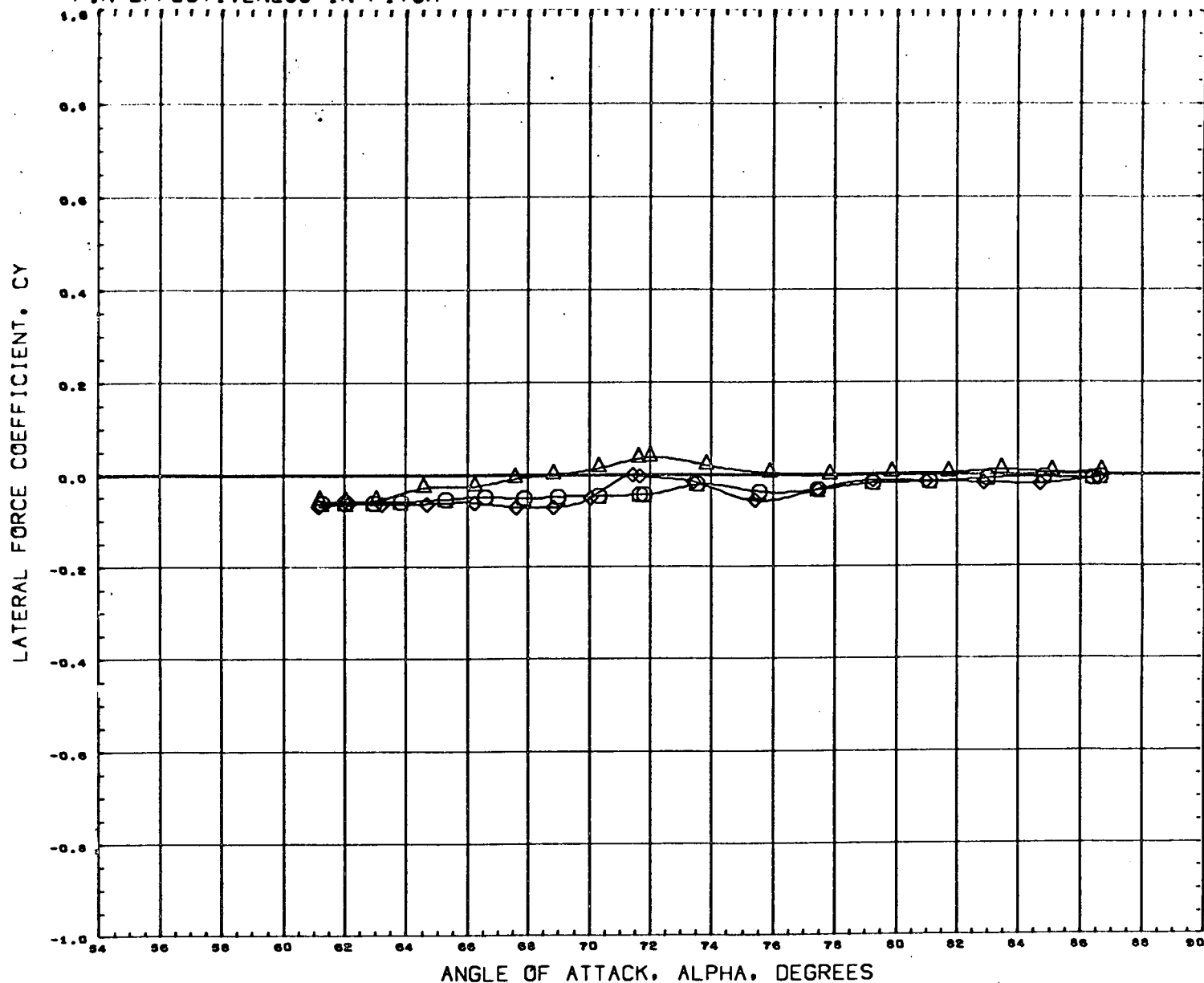
REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

.95

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# FIN EFFECTIVENESS IN PITCH



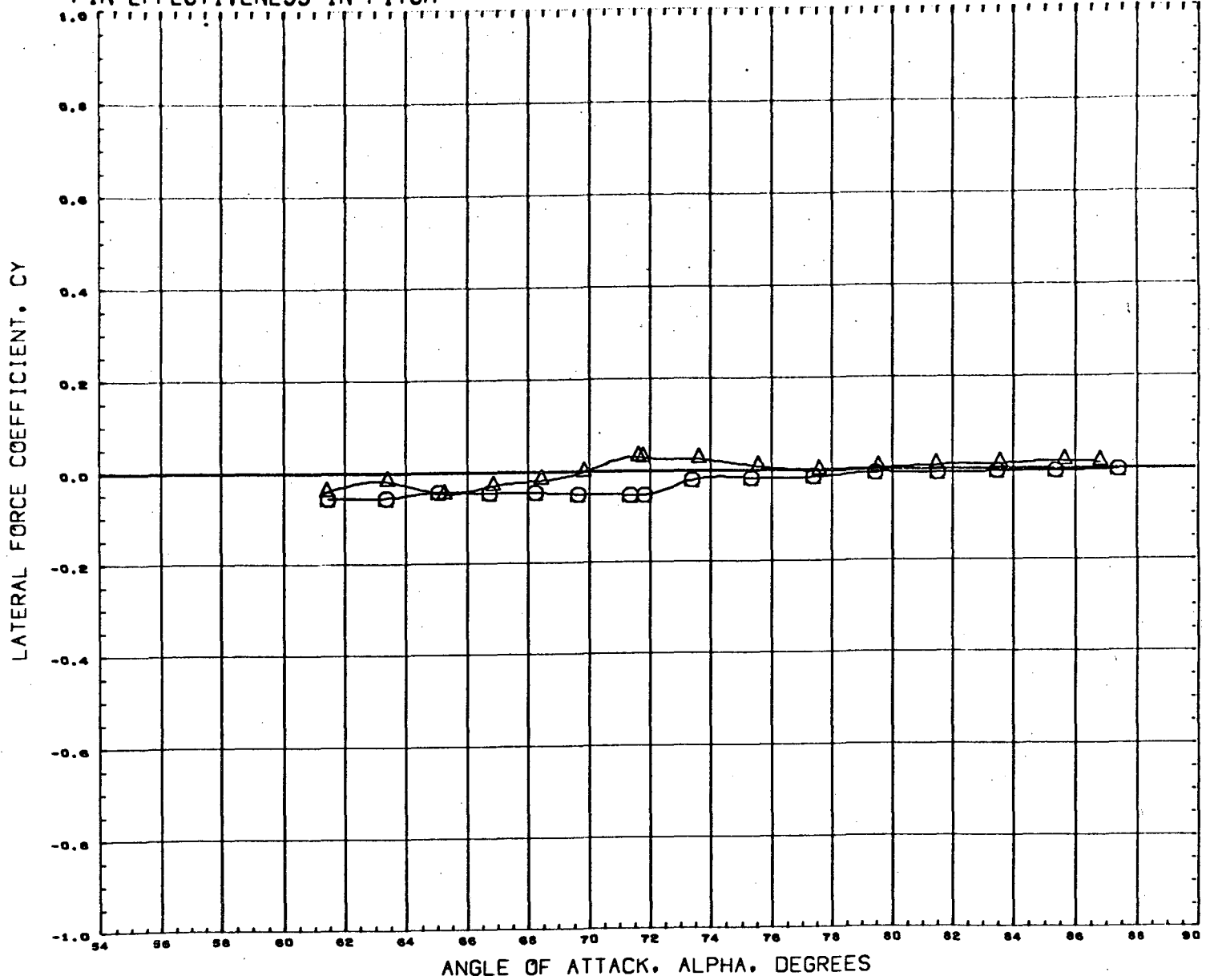
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F	0.000	0.000
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F	0.000	-40.000
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F	0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(D08902)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

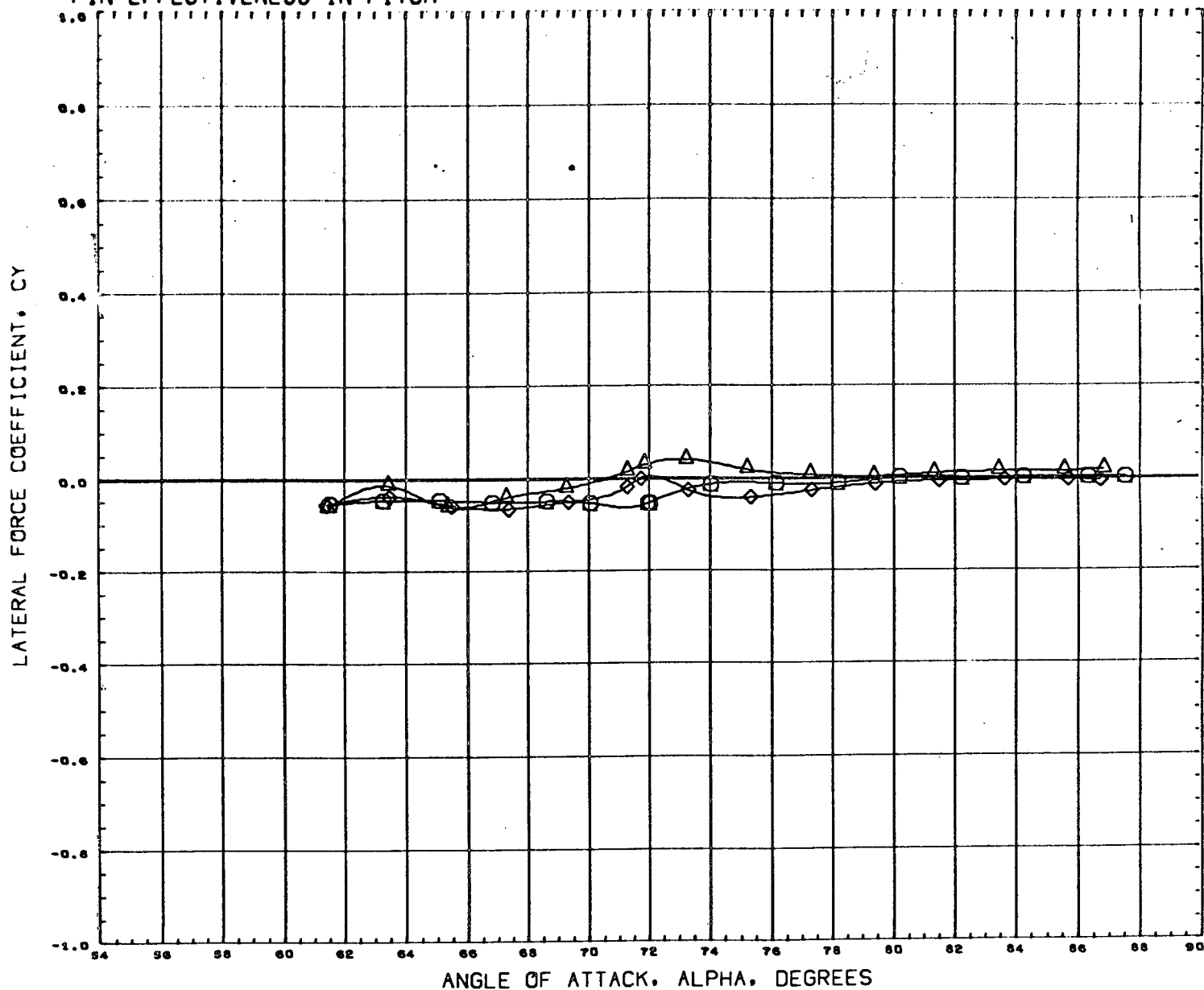
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH 1.05

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# FIN EFFECTIVENESS IN PITCH



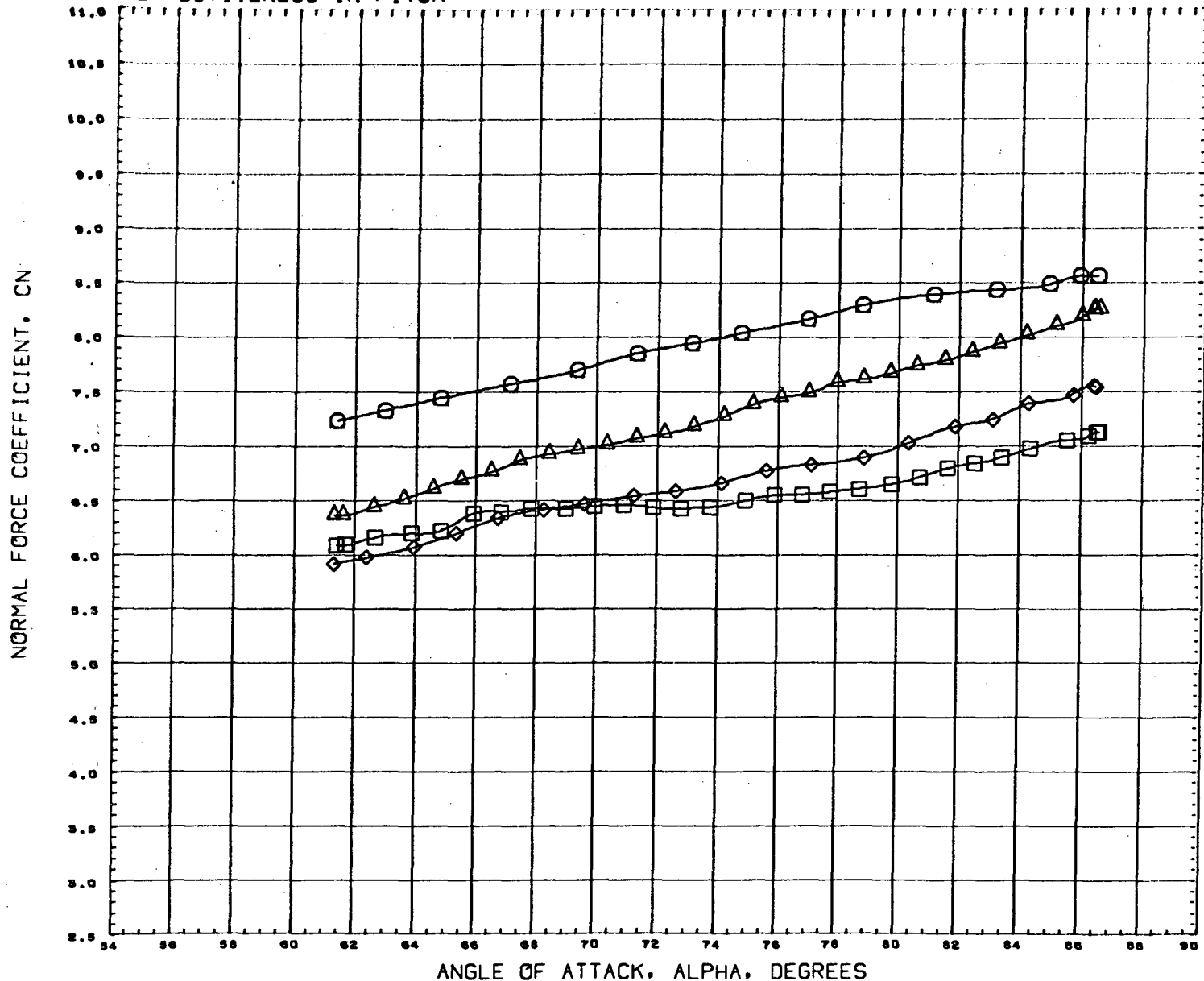
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(DD8502)	BTWT 1202/BSWT 557 PR-FED BR8 B553V6F	0.000	0.000
(AD8512)	BTWT 1202/BSWT 557 PR-FED BR8 B553V6F	0.000	-40.000
(AD8522)	BTWT 1202/BSWT 557 PR-FED BR8 B553V6F	0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.10

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# FIN EFFECTIVENESS IN PITCH



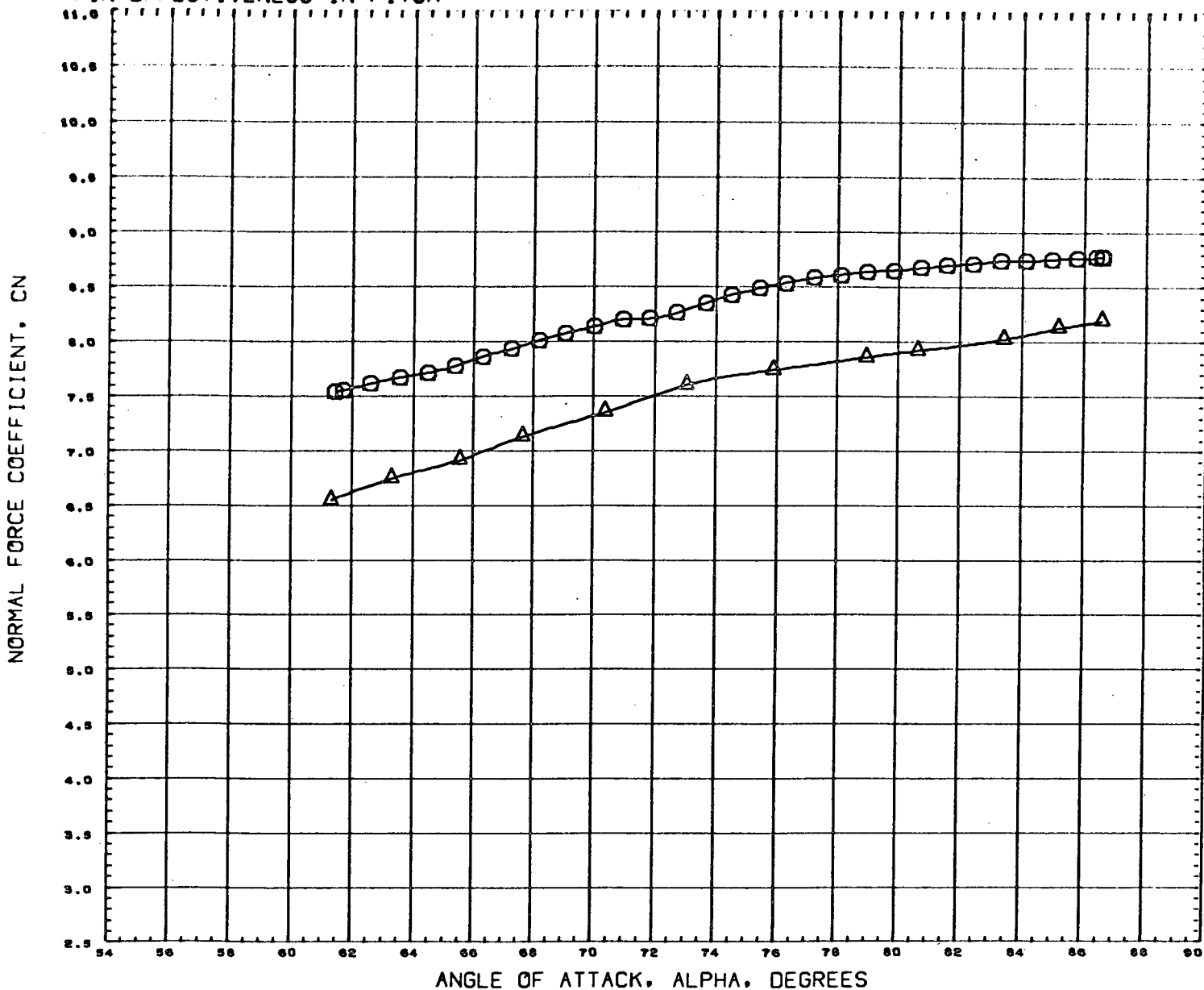
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(808502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(808512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-40.000
(808522)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-60.000
(808532)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808902)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(808522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

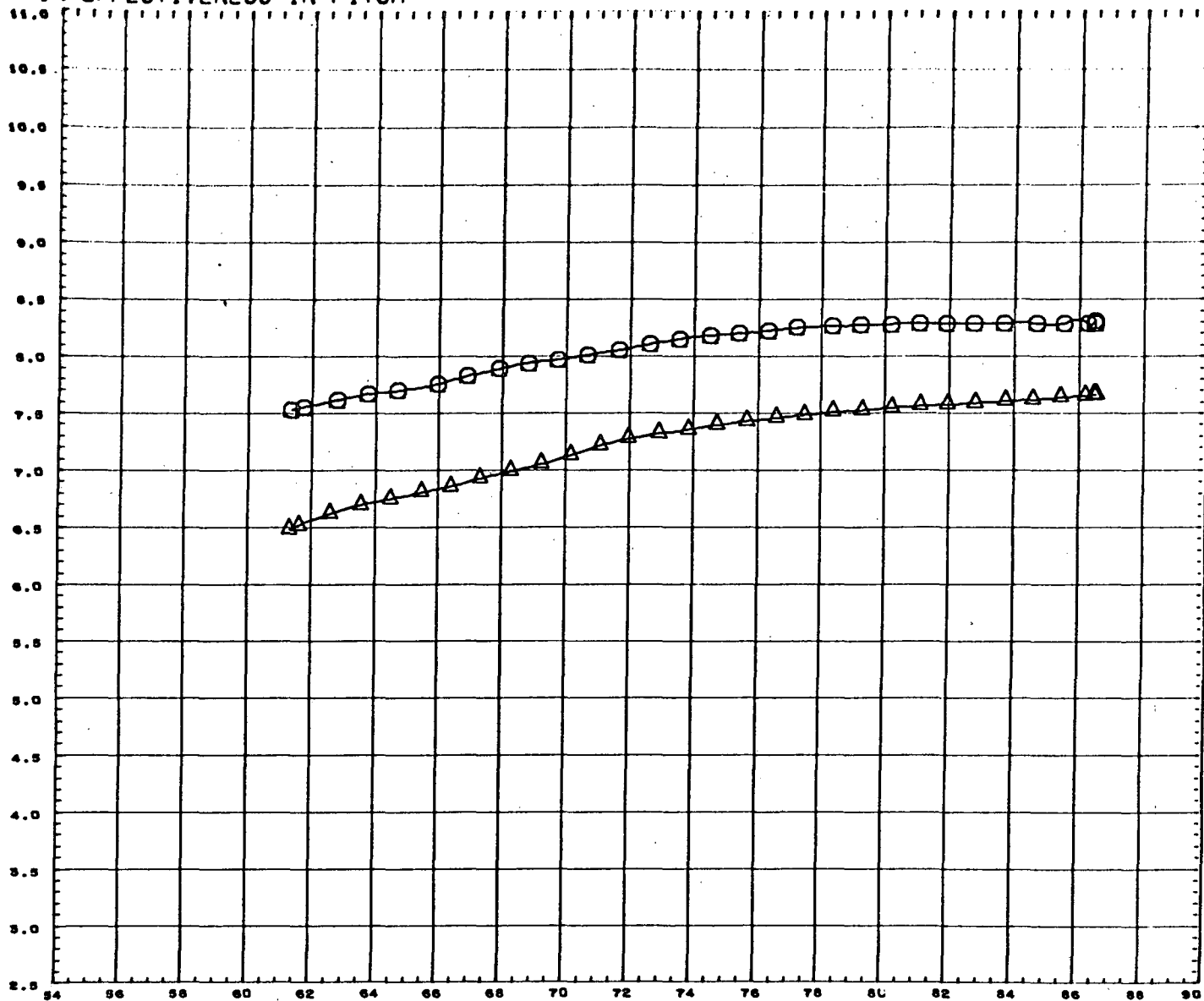
MACH 2.00

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# FIN EFFECTIVENESS IN PITCH

NORMAL FORCE COEFFICIENT, CN



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(808522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

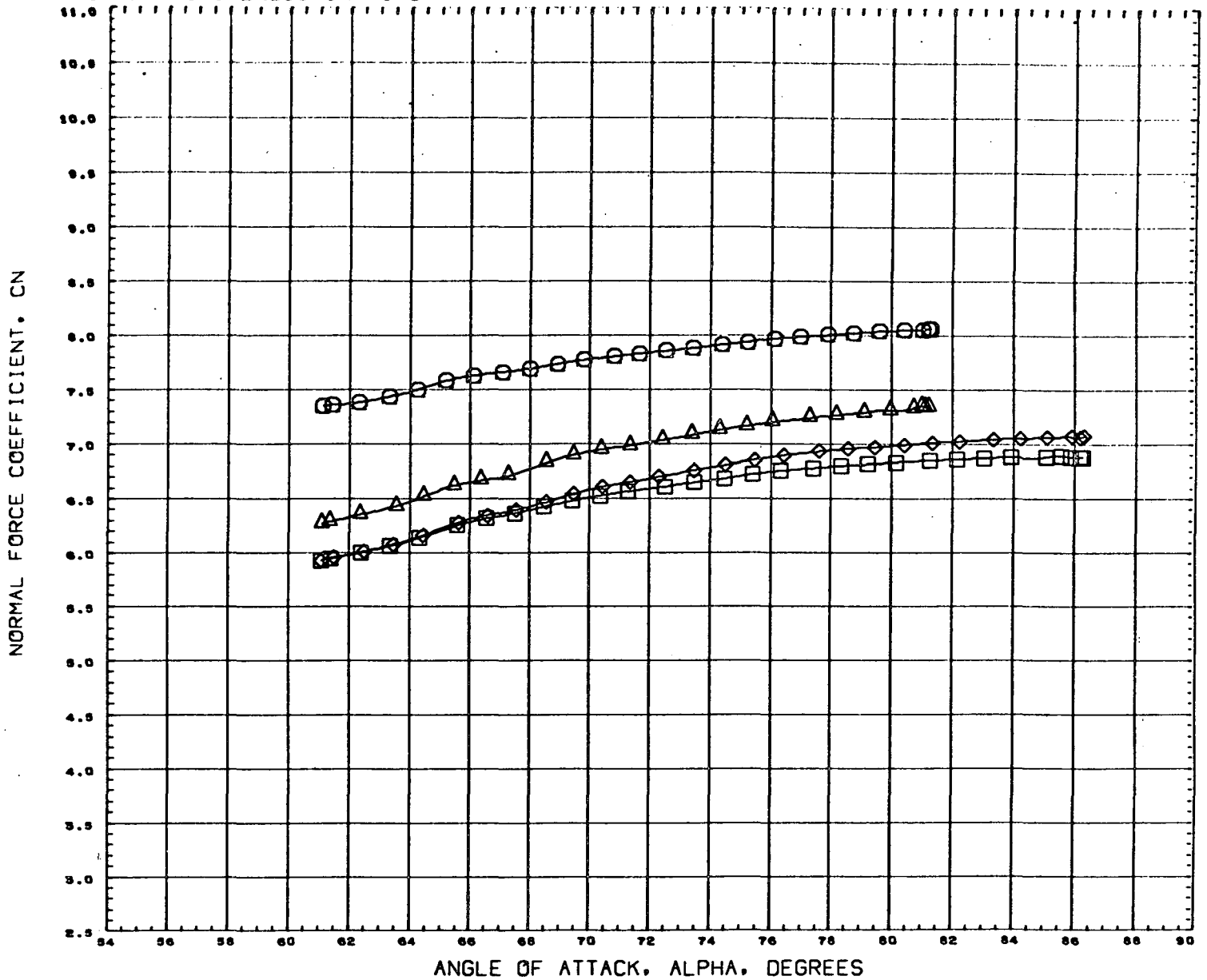
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.0000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# FIN EFFECTIVENESS IN PITCH



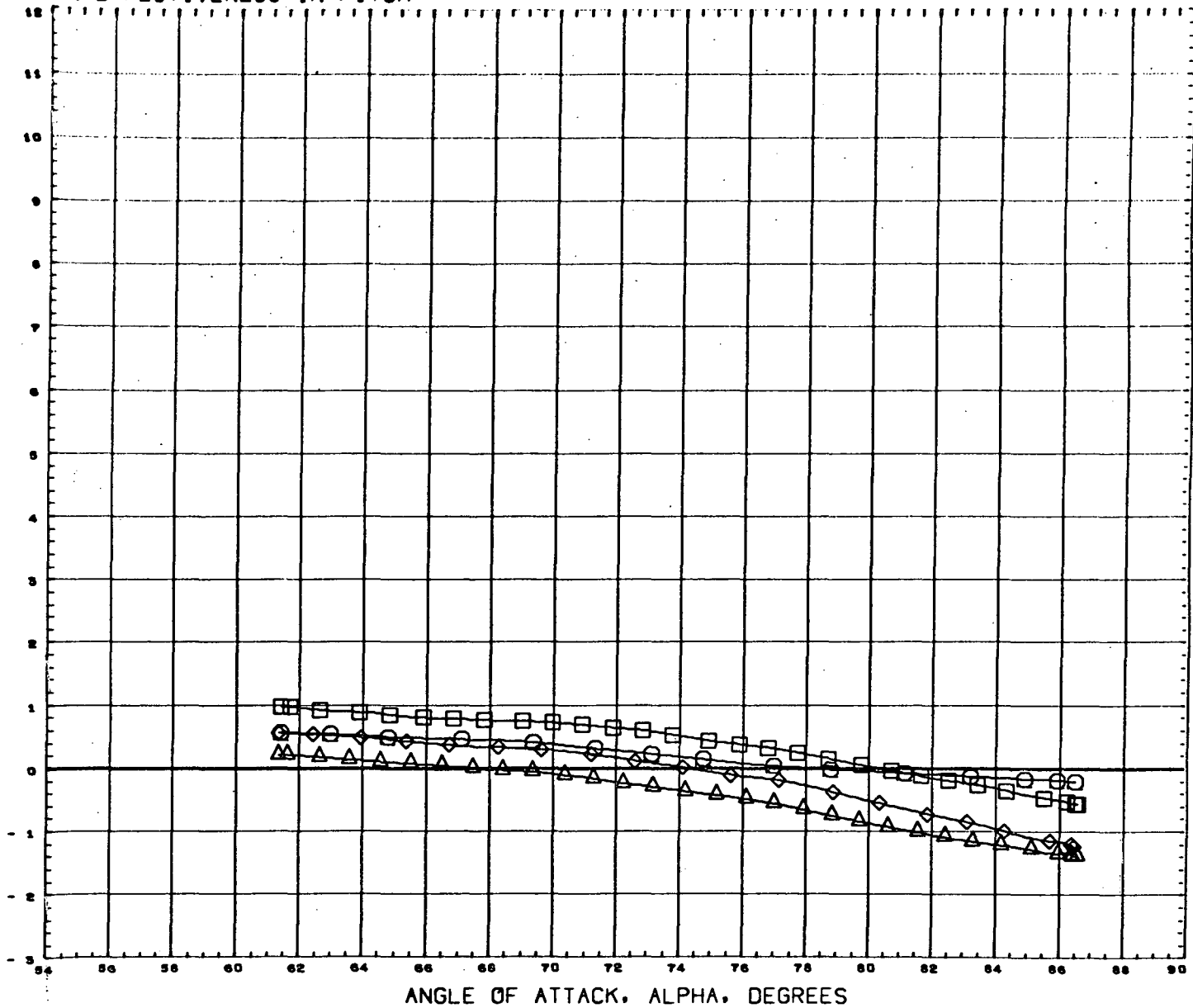
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(808502) ○	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(808512) △	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-40.000	LREF 14.6830 INCHES
(808522) ◇	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-60.000	BREF 14.6830 INCHES
(808532) □	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-80.000	XMRP 0.0000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.8899 PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



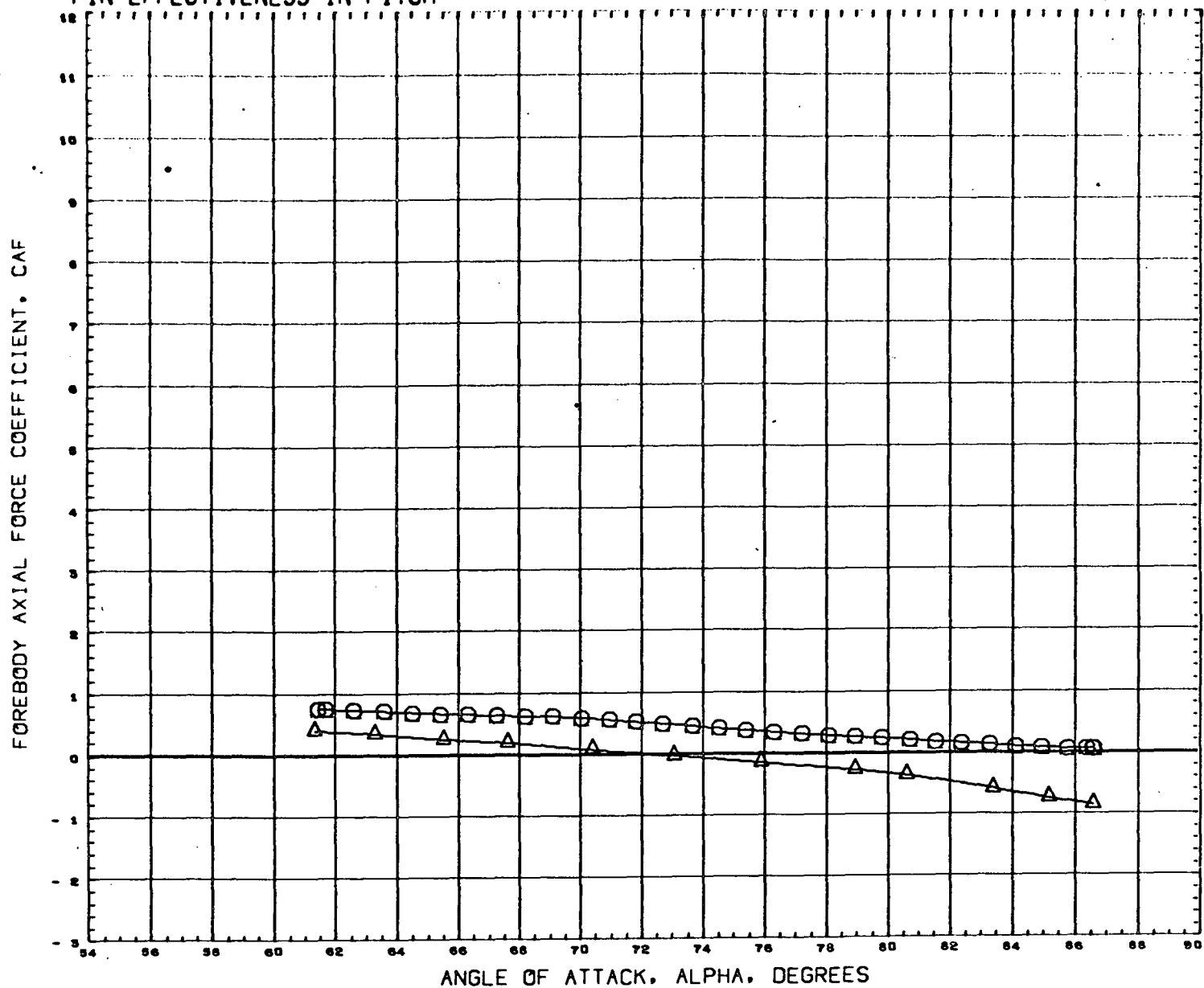
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(804502)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000
(804512)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F	0.000	-40.000
(804522)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F	0.000	-60.000
(804532)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F	0.000	-80.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6630 INCHES
BREF	14.6630 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH 1.60

PAGE 591

# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD0502)	BTWT 1202/BSWT 557 PR-FED BRB B553V6F
(BD0512)	BTWT 1202/BSWT 557 PR-FED BRB B553V6F
(BD0522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD0532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

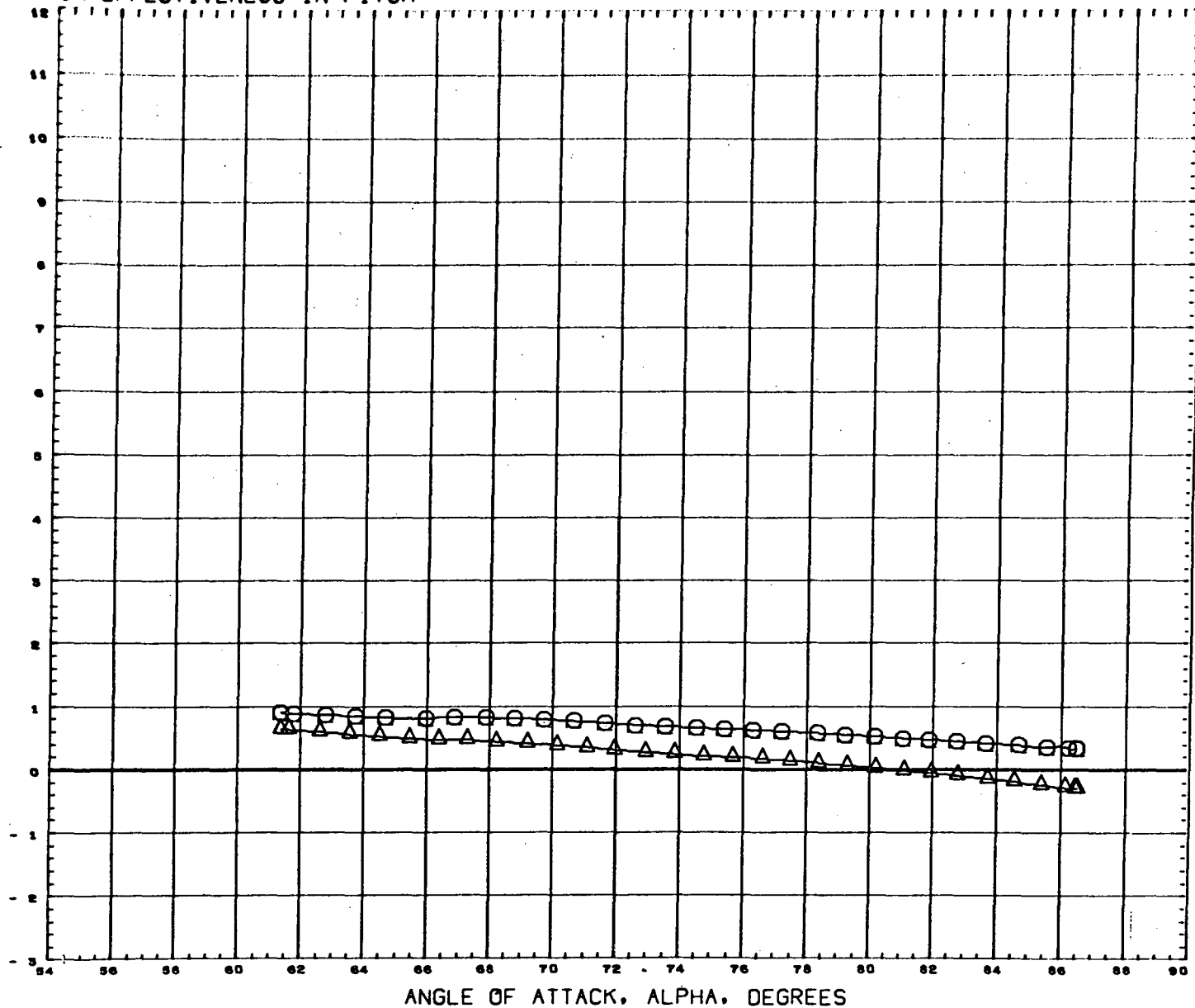
REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.0000	LGODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

PAGE 592

# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD6502)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F
(BD6512)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F
(BD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD6532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-60.000

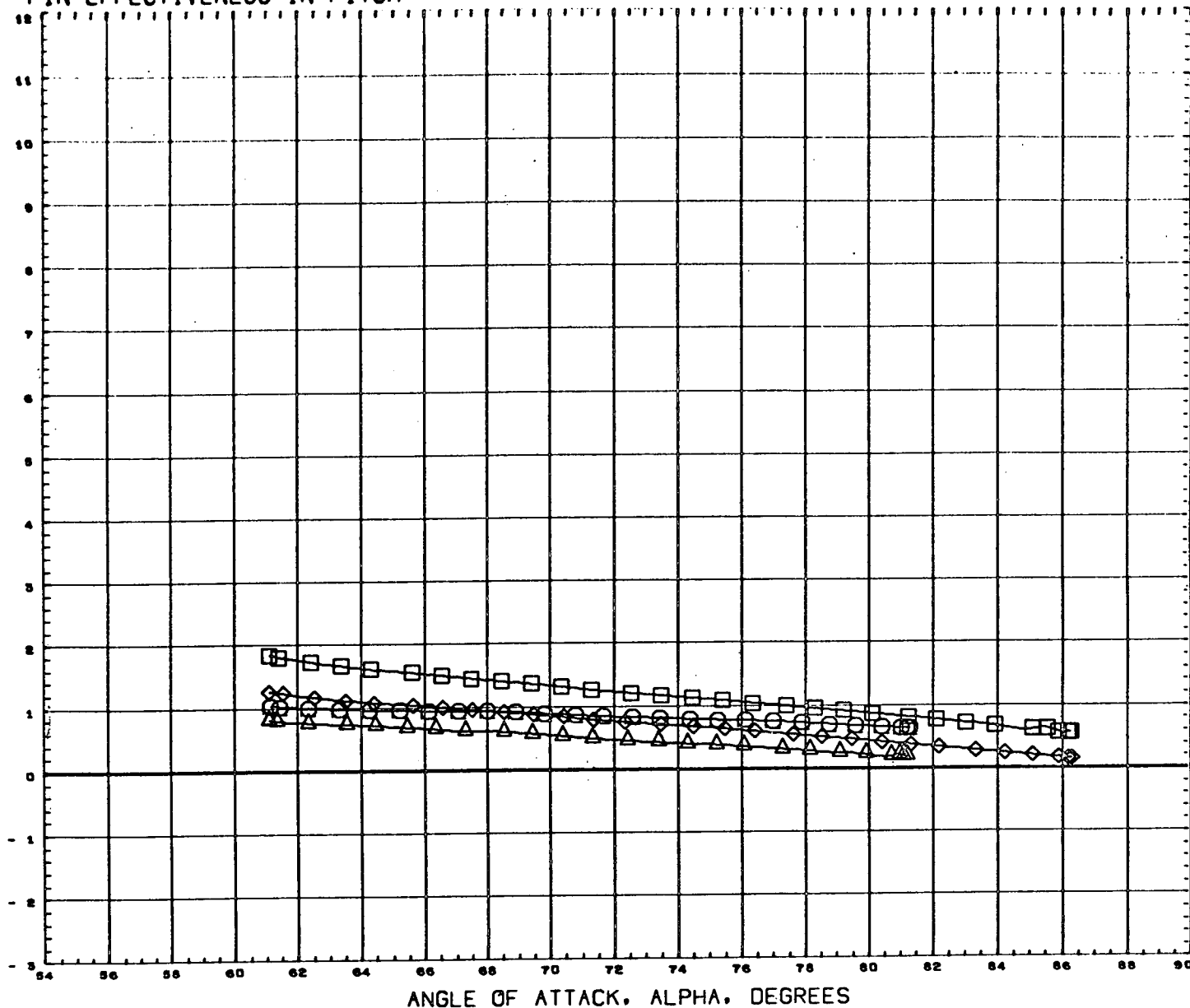
REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 2.70

PAGE 593

# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



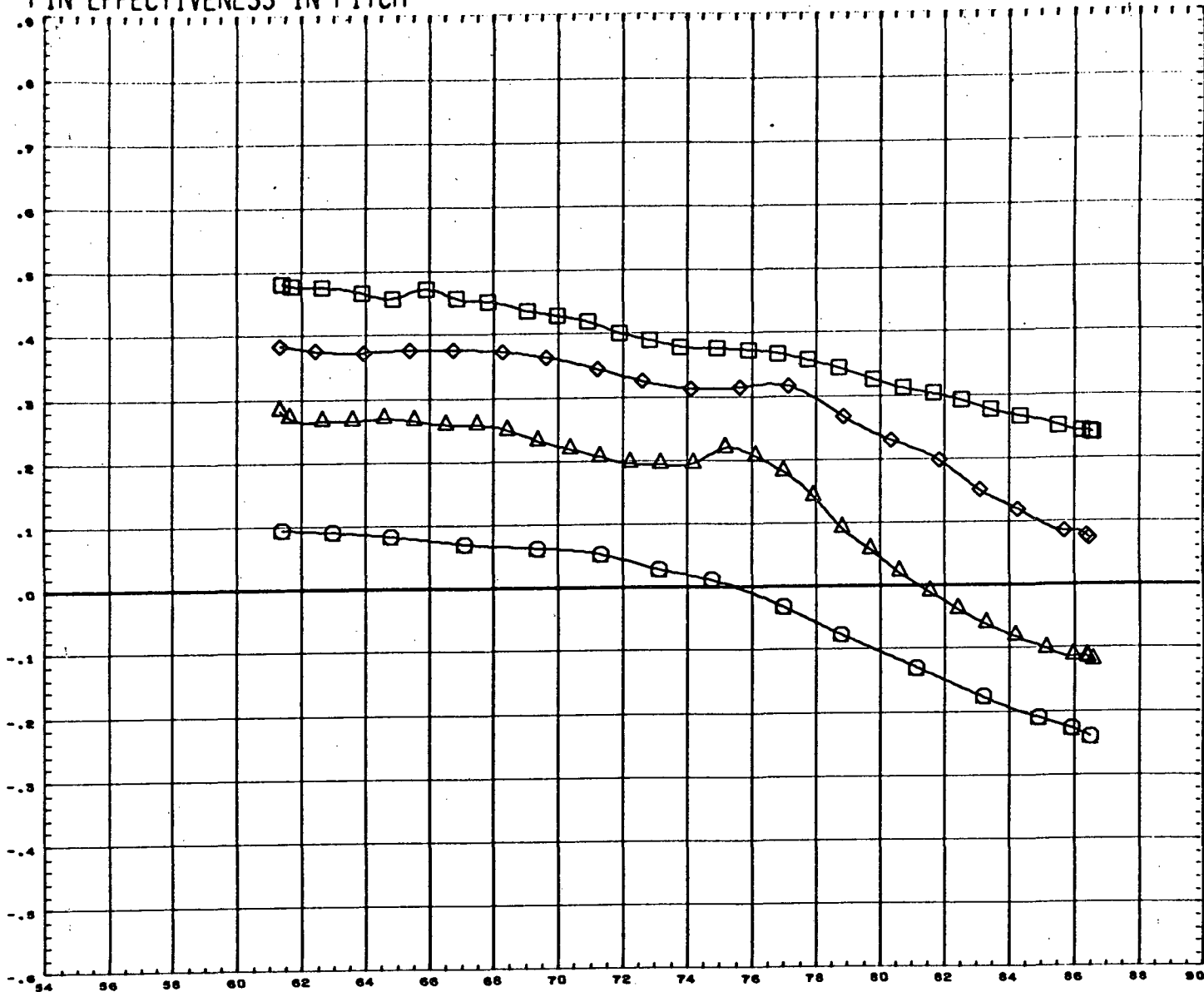
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(808902)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF	9.7500 SQ. IN.
(808912)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-40.000	LREF	14.6830 INCHES
(808922)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-60.000	BREF	14.6830 INCHES
(808932)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-80.000	XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8502)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(BD8512)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(BD8522)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(RD8532)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

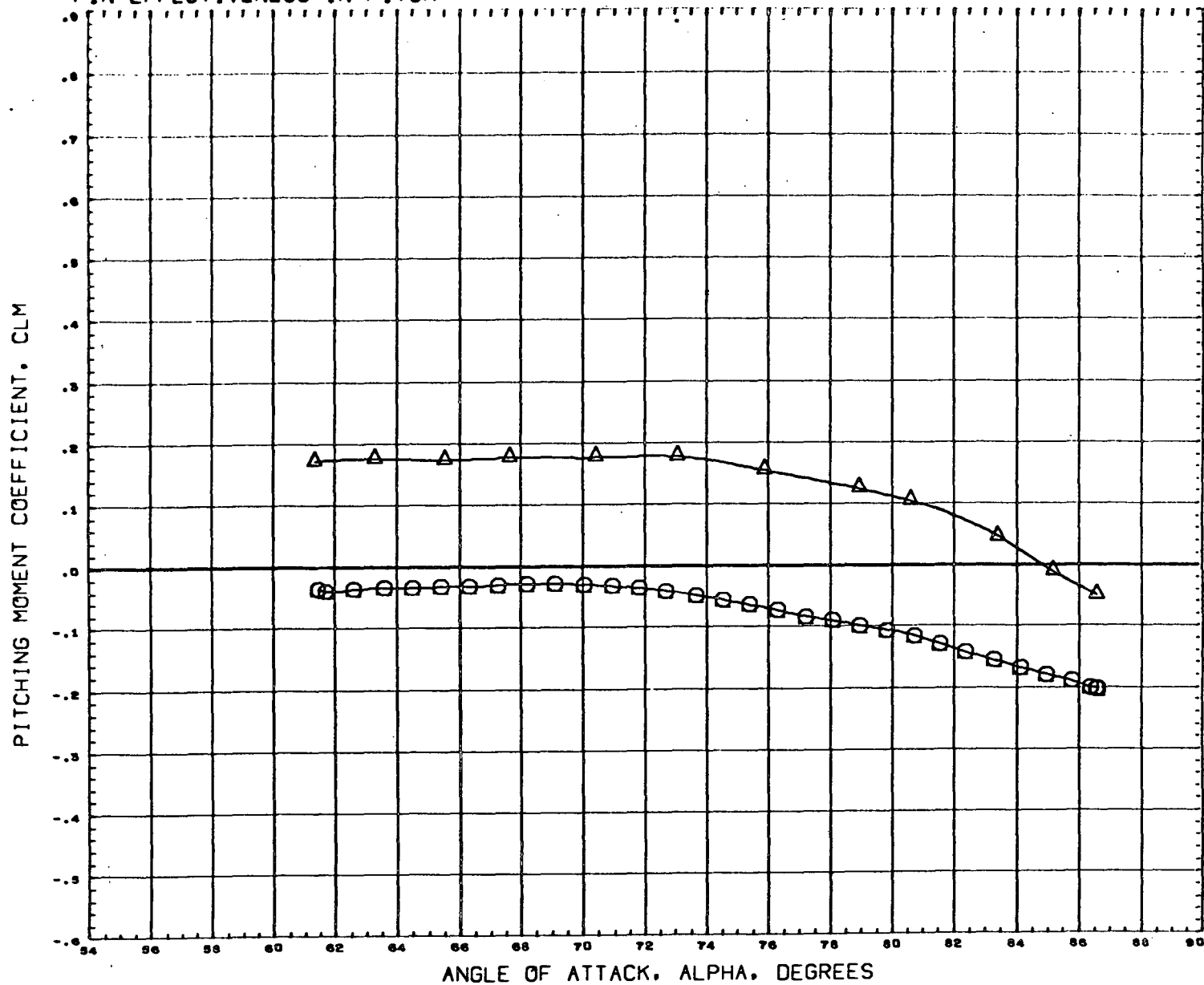
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD0502)	BTWT 1202/BSWT 557 PR-FED BRB B553V6F
(BD0512)	BTWT 1202/BSWT 557 PR-FED BRB B553V6F
(BD0522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD0532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

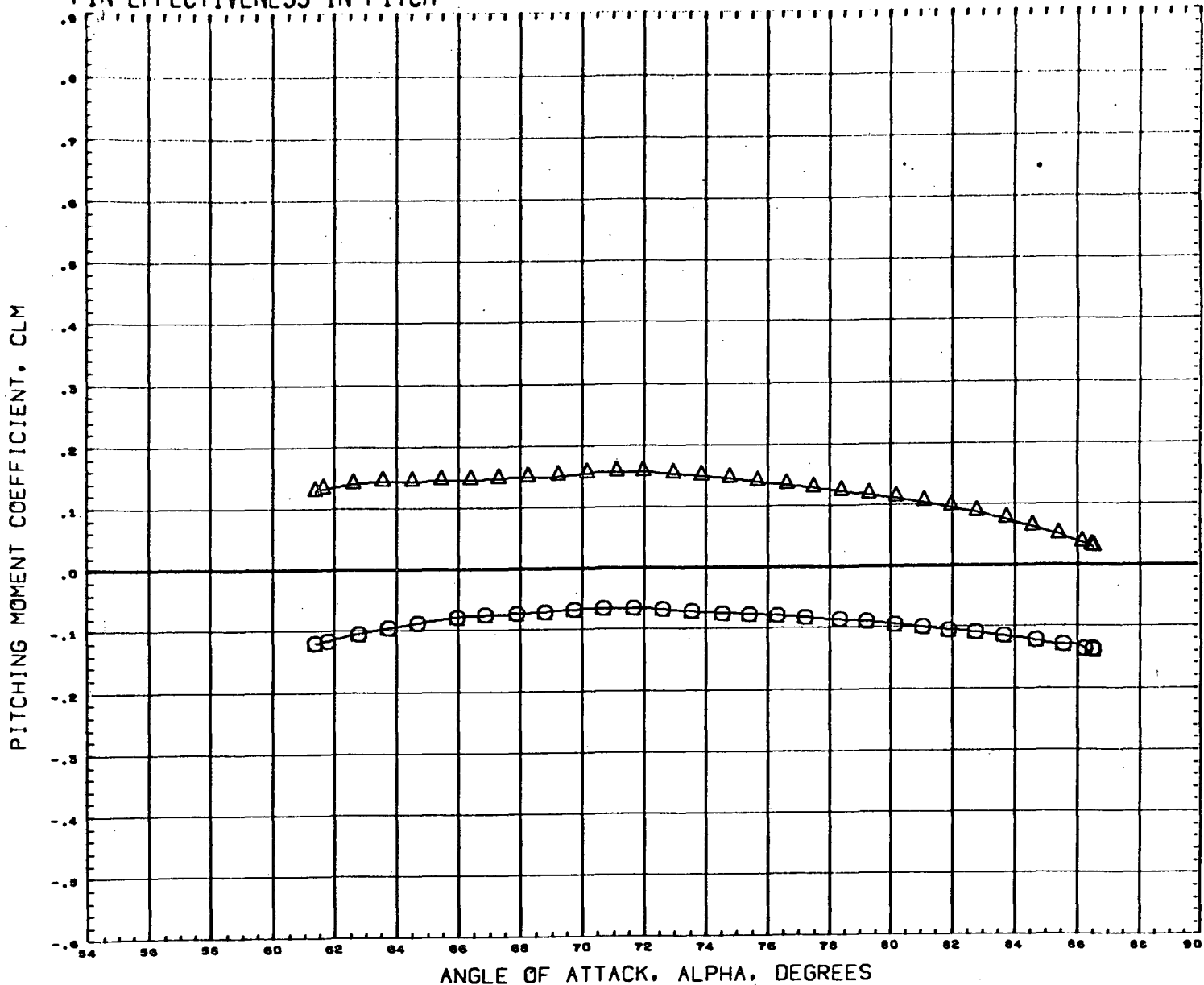
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCENT

MACH 2.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD6502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(BD6512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(BD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD6532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

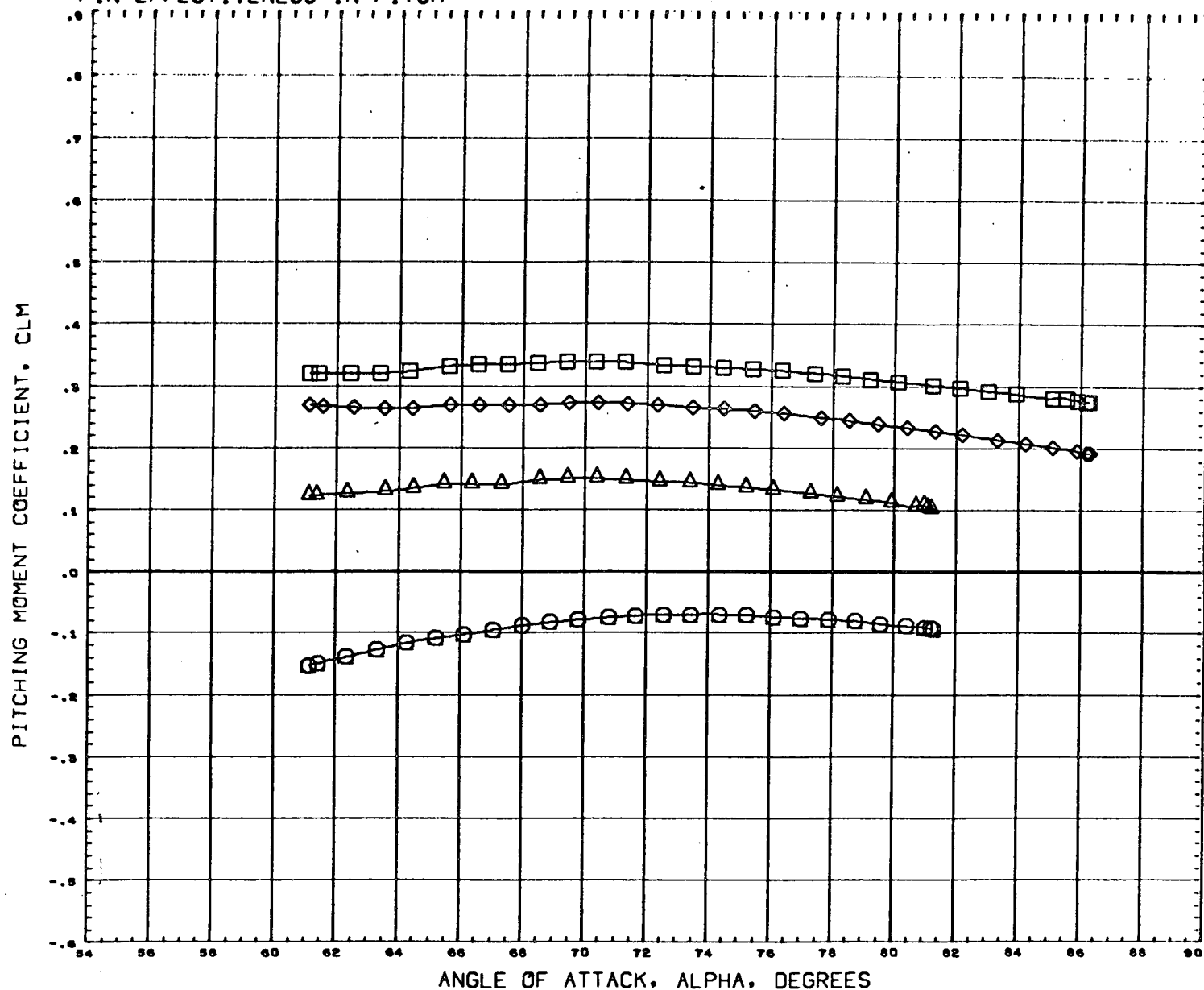
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH

2.70

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# FIN EFFECTIVENESS IN PITCH



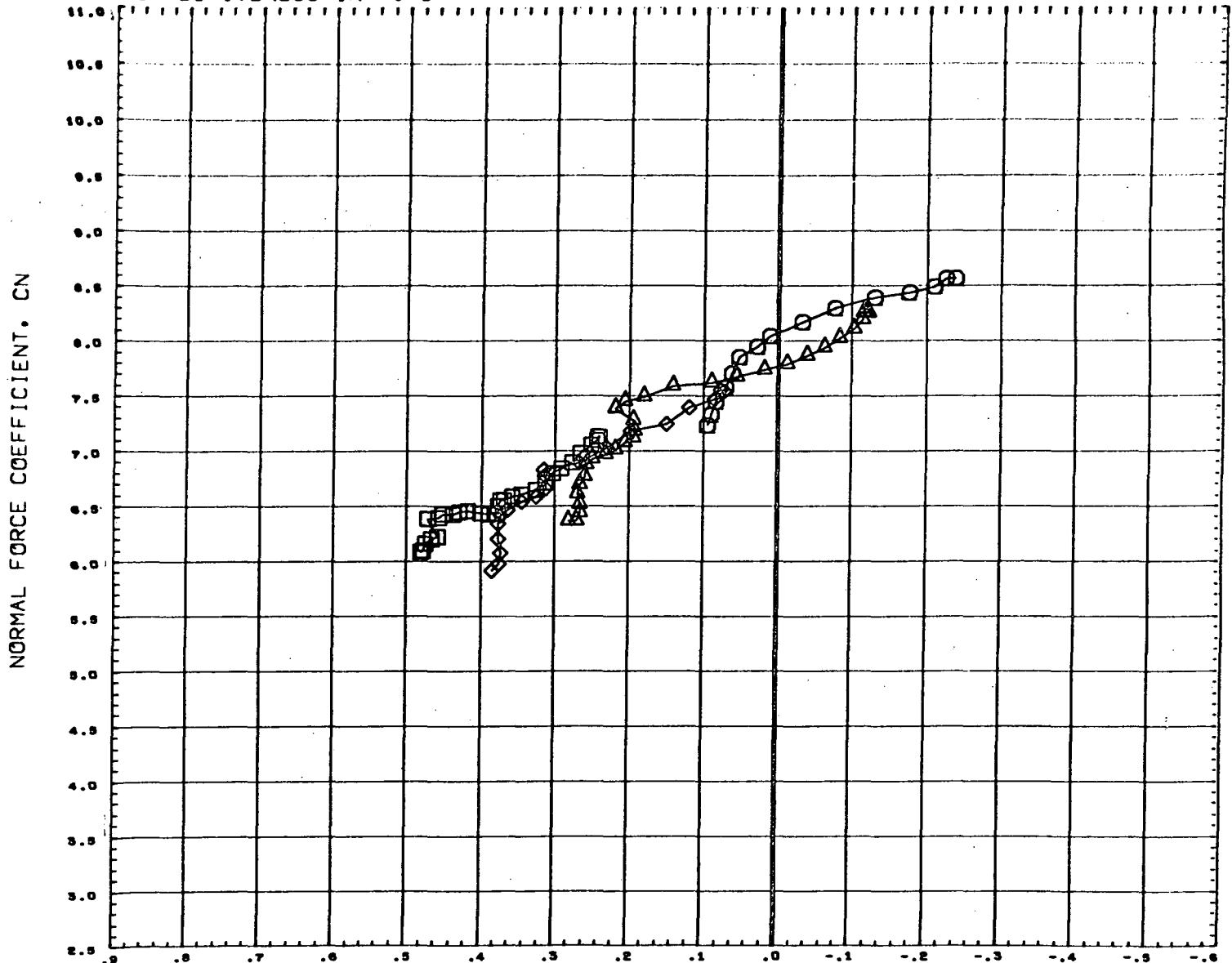
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD8502)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	0.000
(BD8512)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-40.000
(BD8522)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-60.000
(BD8532)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.6699	PERCNT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1282/BSWT 557 PR-FED BRB 8583V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB 8583V6F
(808522)	BTWT 1282/BSWT 557 PR-FED BRB 8583V6F
(808532)	BTWT 1282/BSWT 557 PR-FED BRB 8583V6F

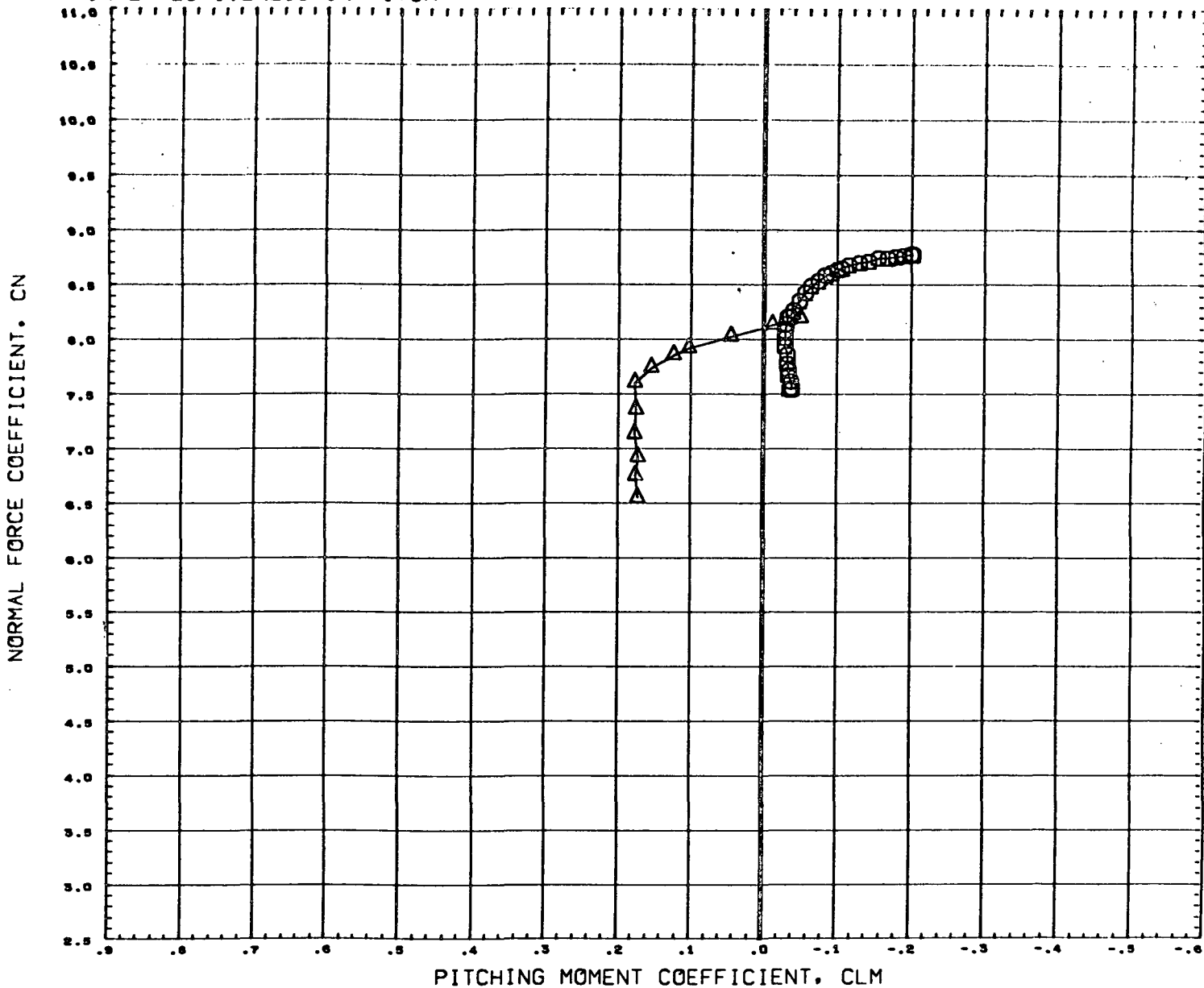
BETA	DELTA TAU
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(BD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(BD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(BD8532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

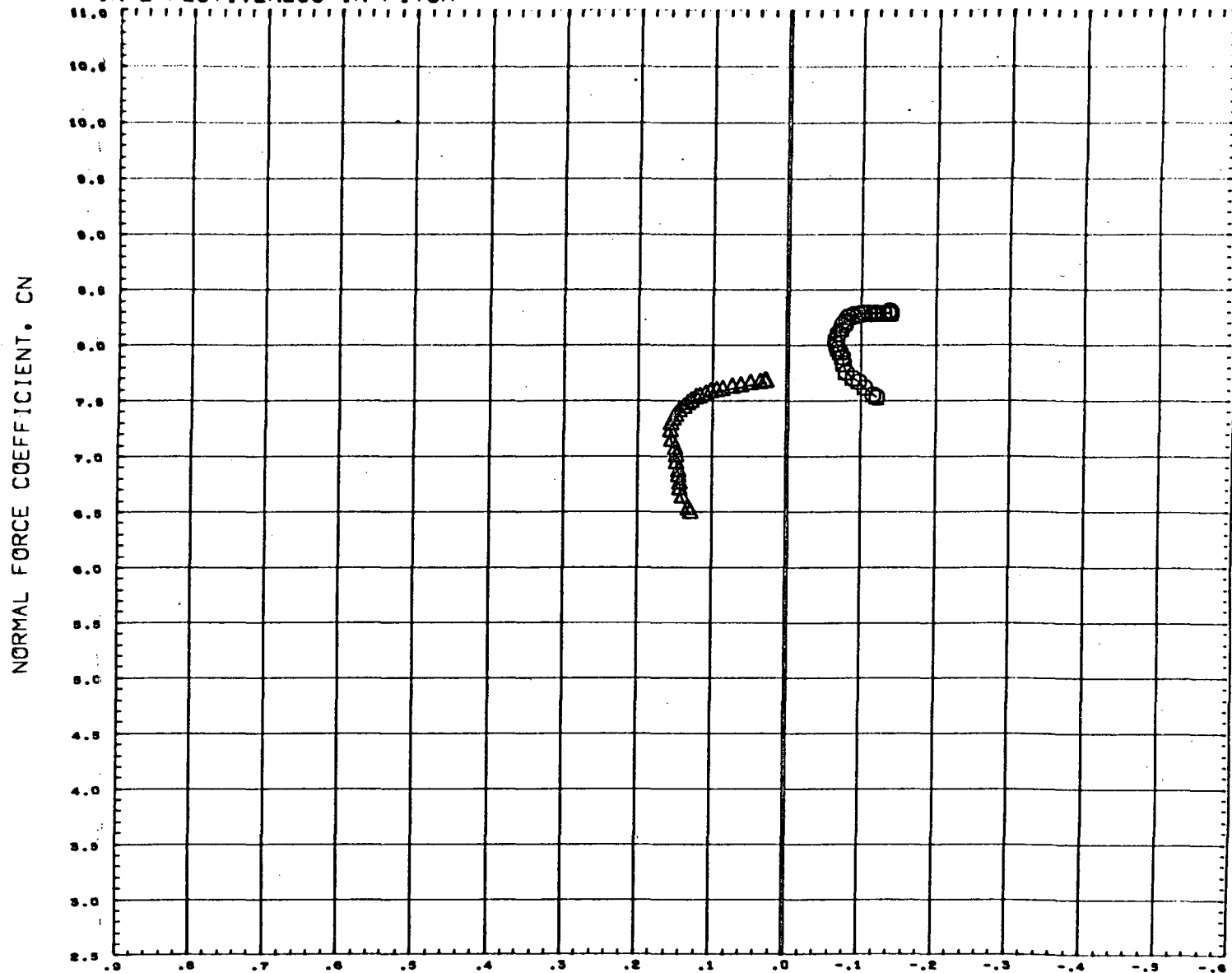
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION
SREF 9.7500 SQ. IN.
LREF 14.6830 INCHES
BREF 14.6830 INCHES
XMRP 0.6000 LBODY
YMRP 0.0000 INCHES
ZMRP 0.0000 INCHES
SCALE 0.8899 PERCENT

MACH 2.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD6502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(BD6512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(BD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD6532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

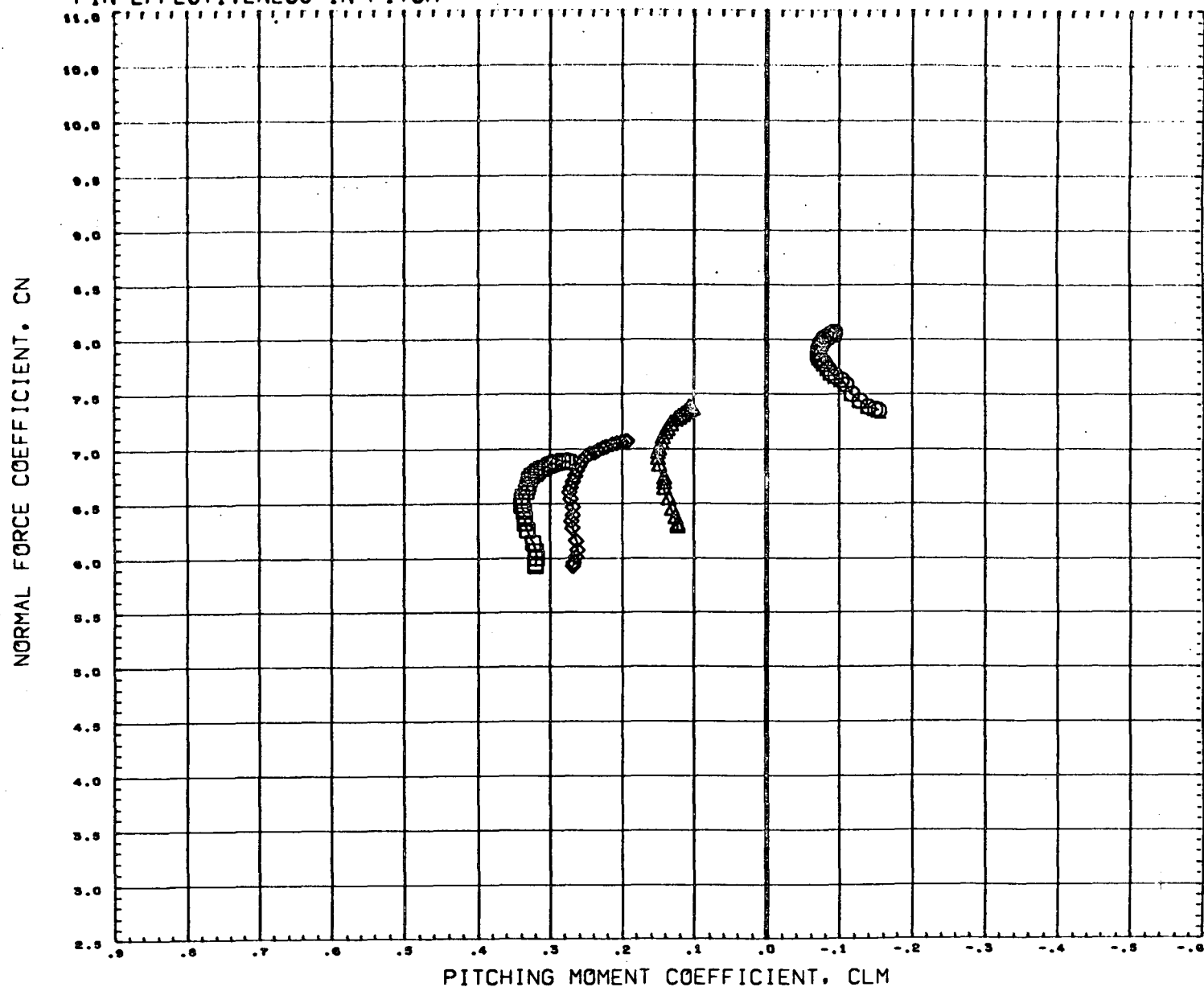
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH 2.70

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(808902)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000	SREF 9.7500 34. IN.
(808912)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	-40.000	LREF 14.6830 INCHES
(808922)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	-60.000	BREF 14.6830 INCHES
(808932)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F	0.000	-60.000	XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.6899 PERCENT

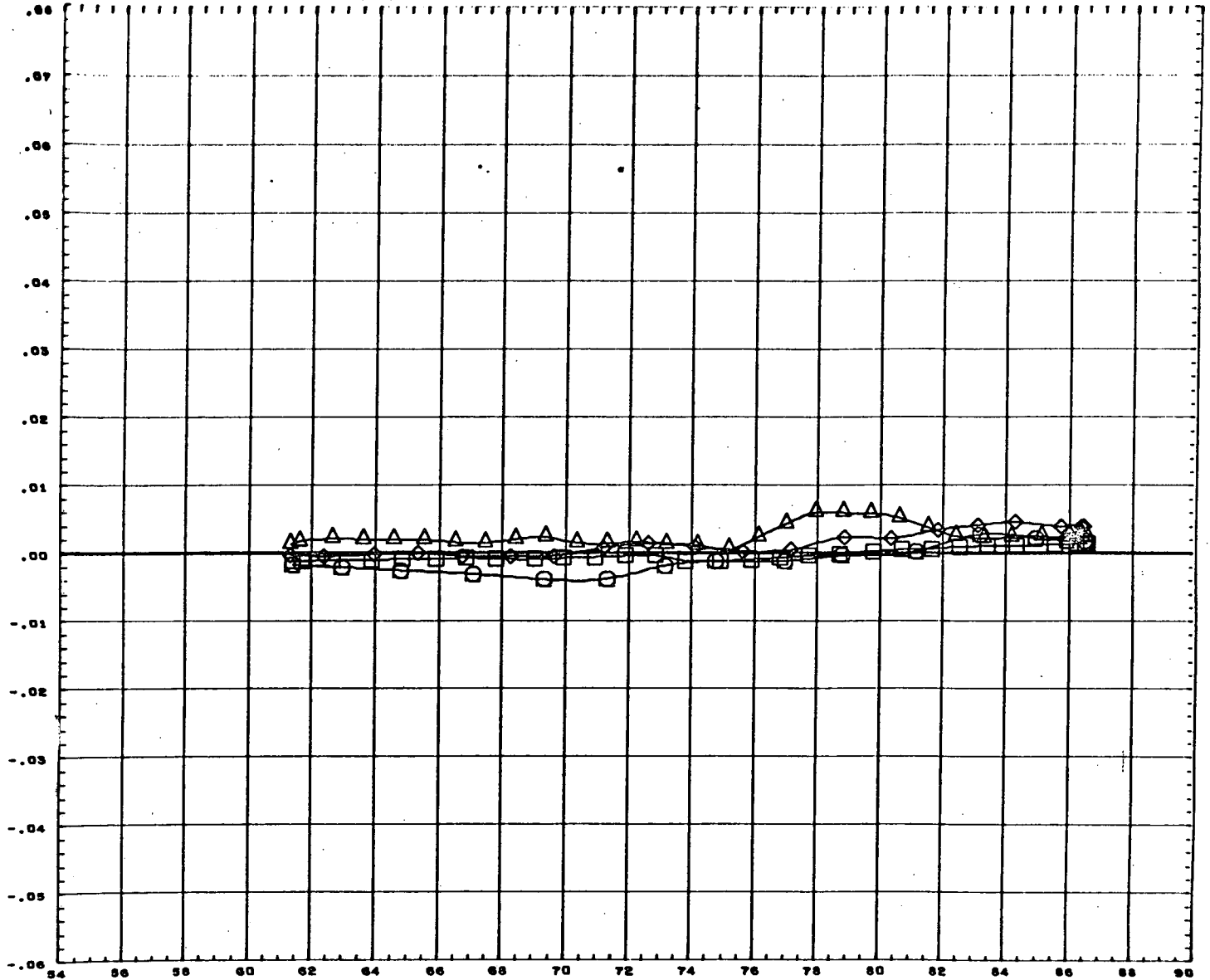
MACH

3.51

PAGE 602

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

# FIN EFFECTIVENESS IN PITCH



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(808502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	0.000
(808512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-40.000
(808522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-60.000
(808532)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-80.000

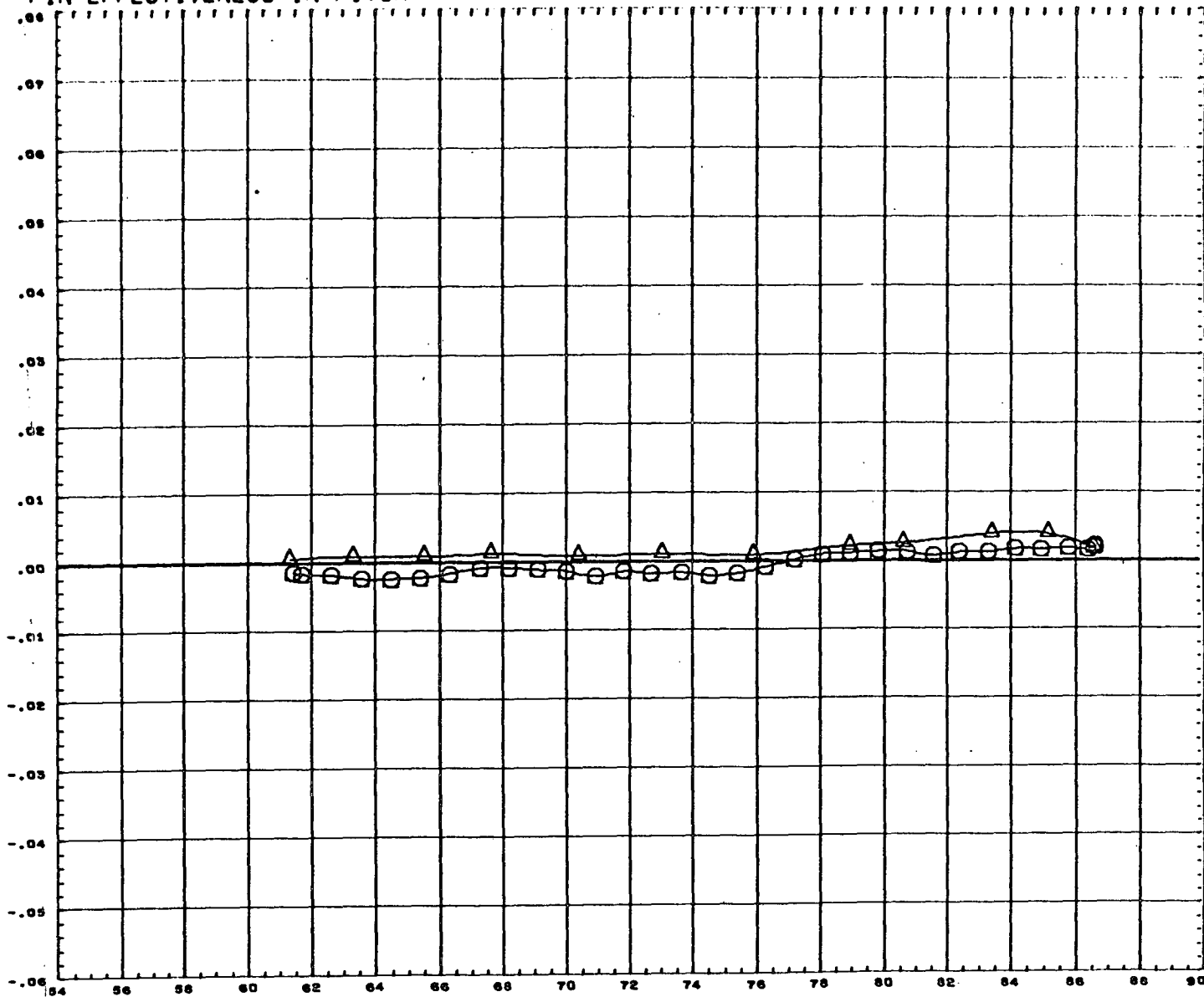
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD6502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(RD6512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(RD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD6532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

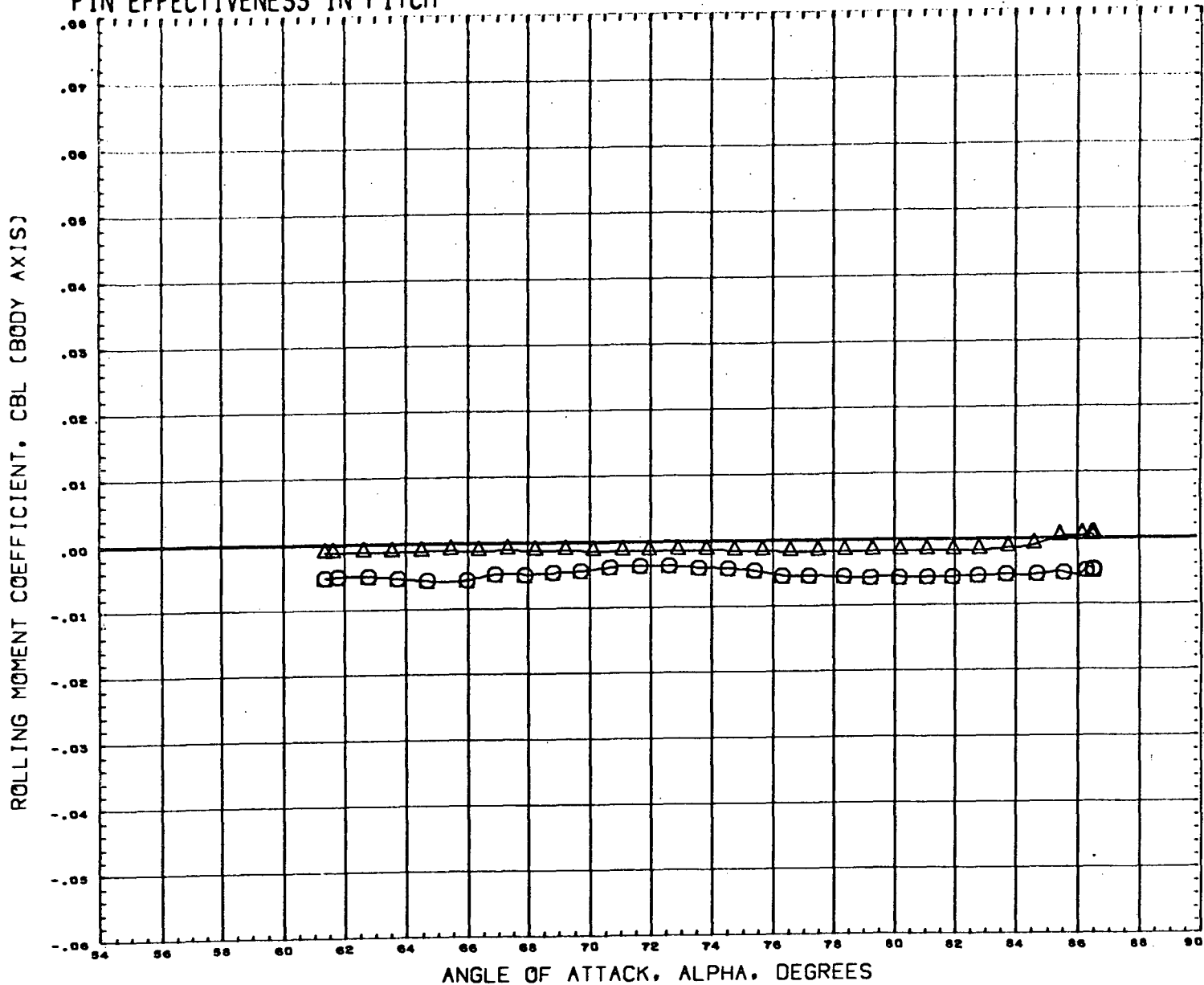
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

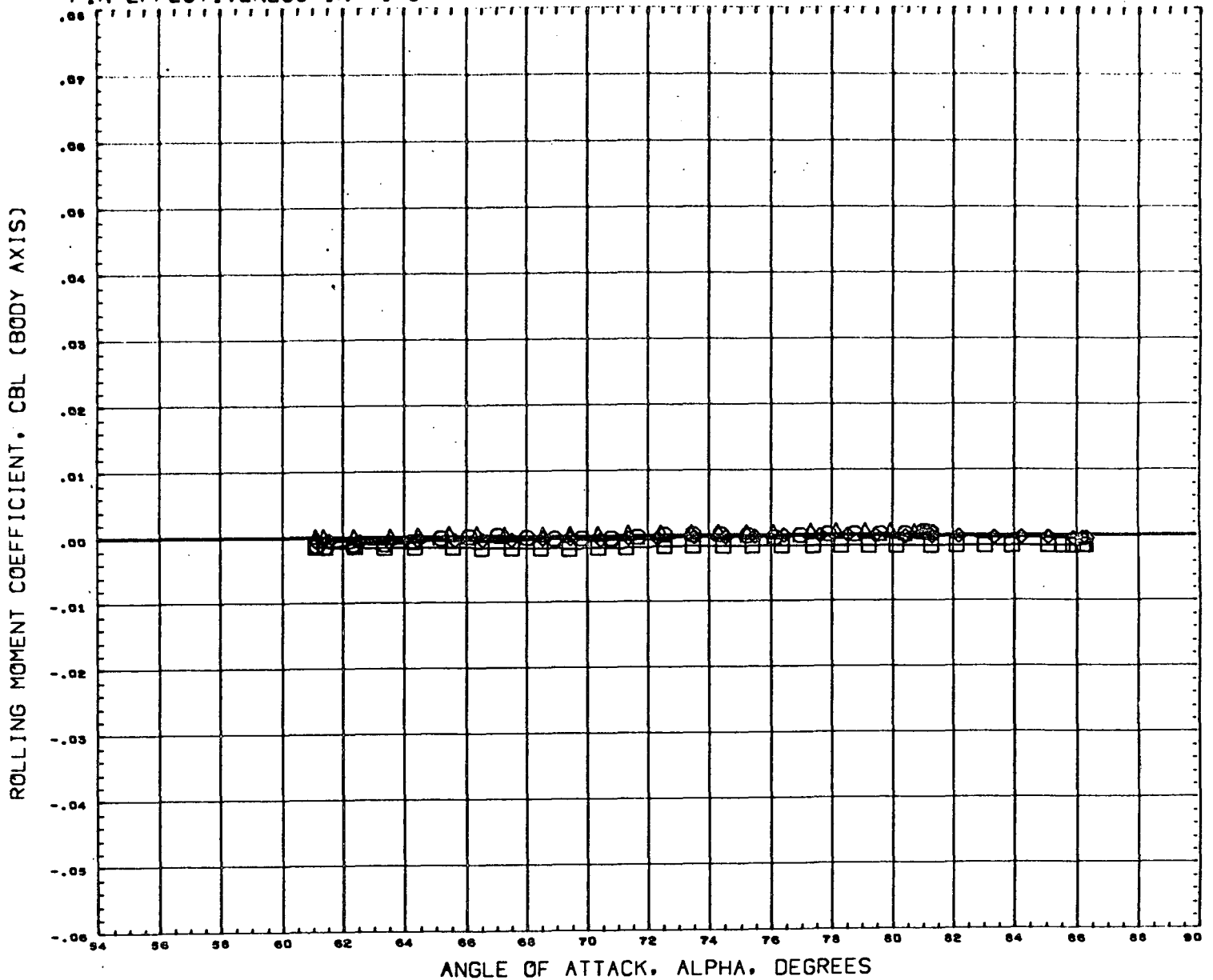
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# FIN EFFECTIVENESS IN PITCH



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B06502)	○	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(B06512)	△	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(B06522)	◇	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(R06532)	□	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F

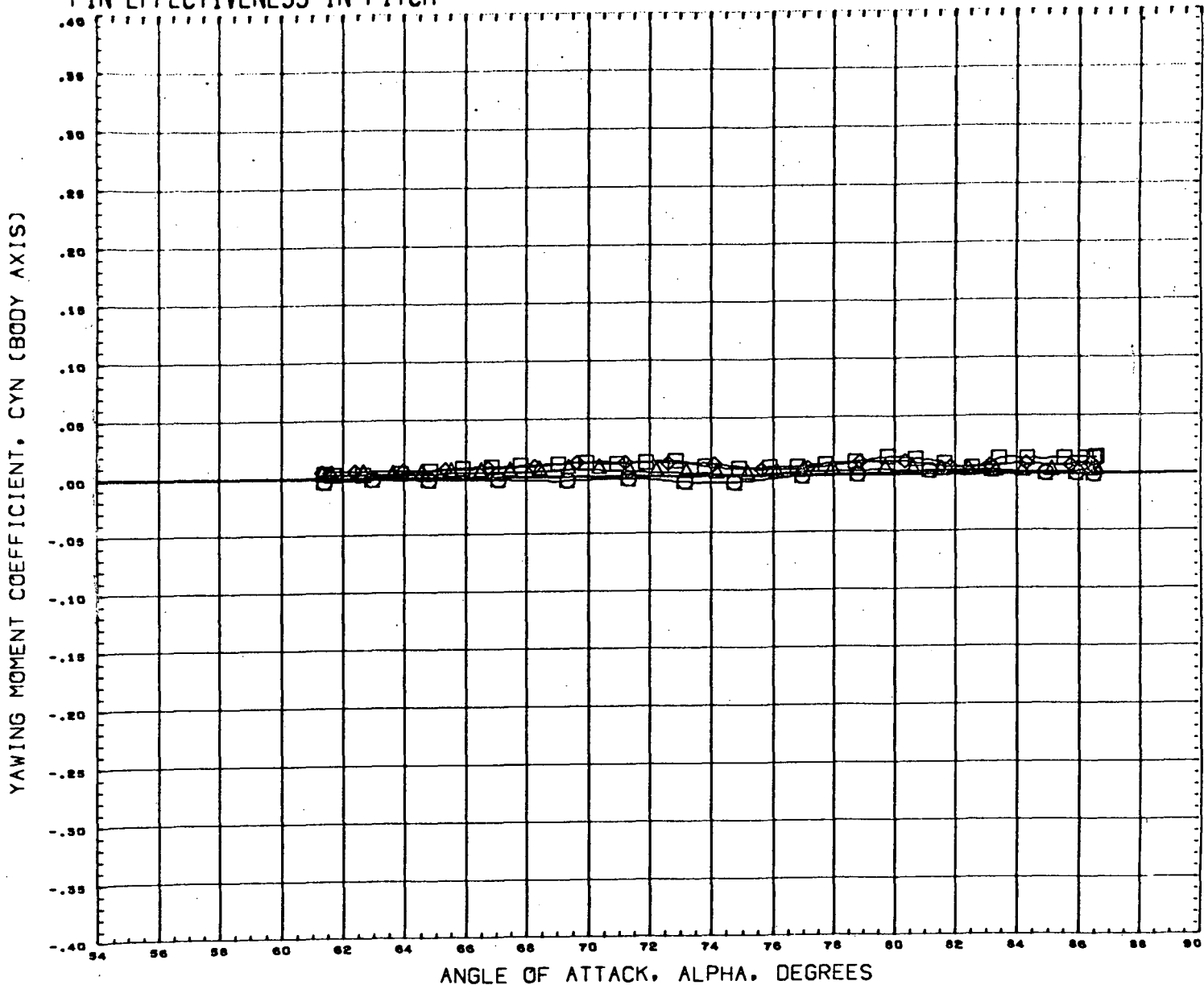
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH



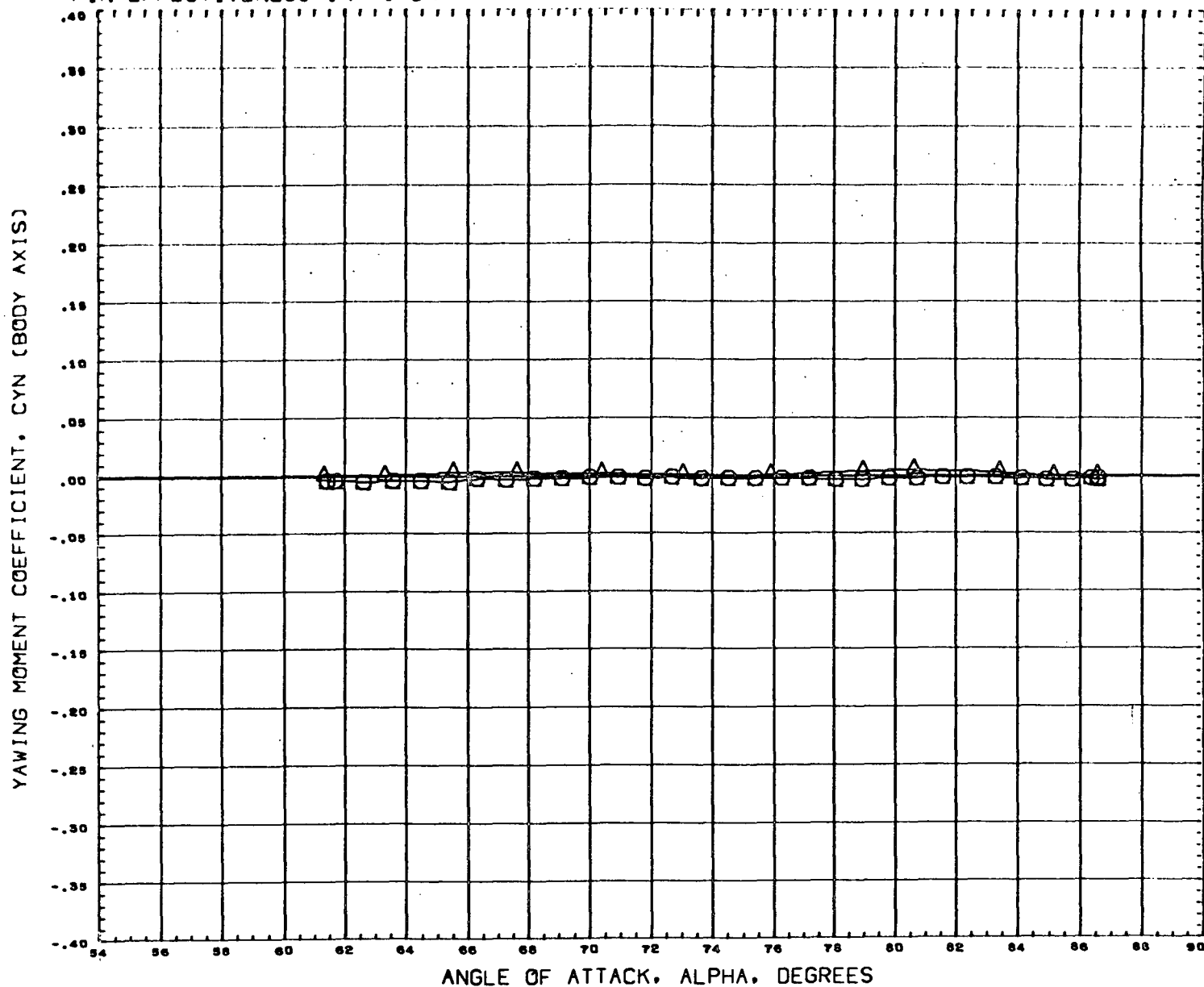
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD8502)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F	0.000	0.000
(BD8512)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F	0.000	-40.000
(BD8522)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F	0.000	-60.000
(BD8532)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F	0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	L600Y
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

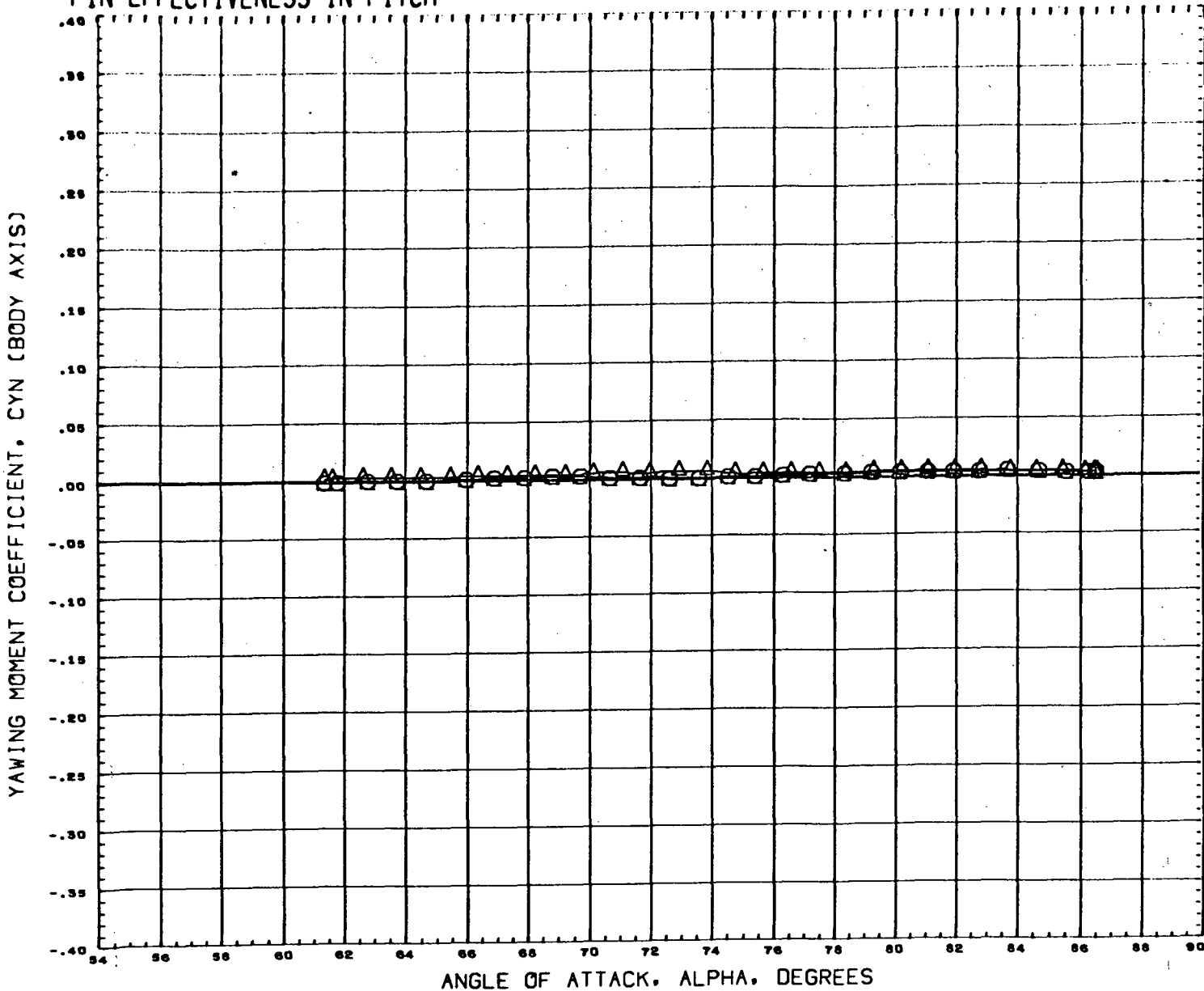
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMHP	0.6000	LBODY
YMHP	0.0000	INCHES
ZMHP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD5502)	BTWT 1262/BSWT 557 PR-FED BRB B553V6F
(BD5512)	BTWT 1262/BSWT 557 PR-FED BRB B553V6F
(BD5522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD5532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

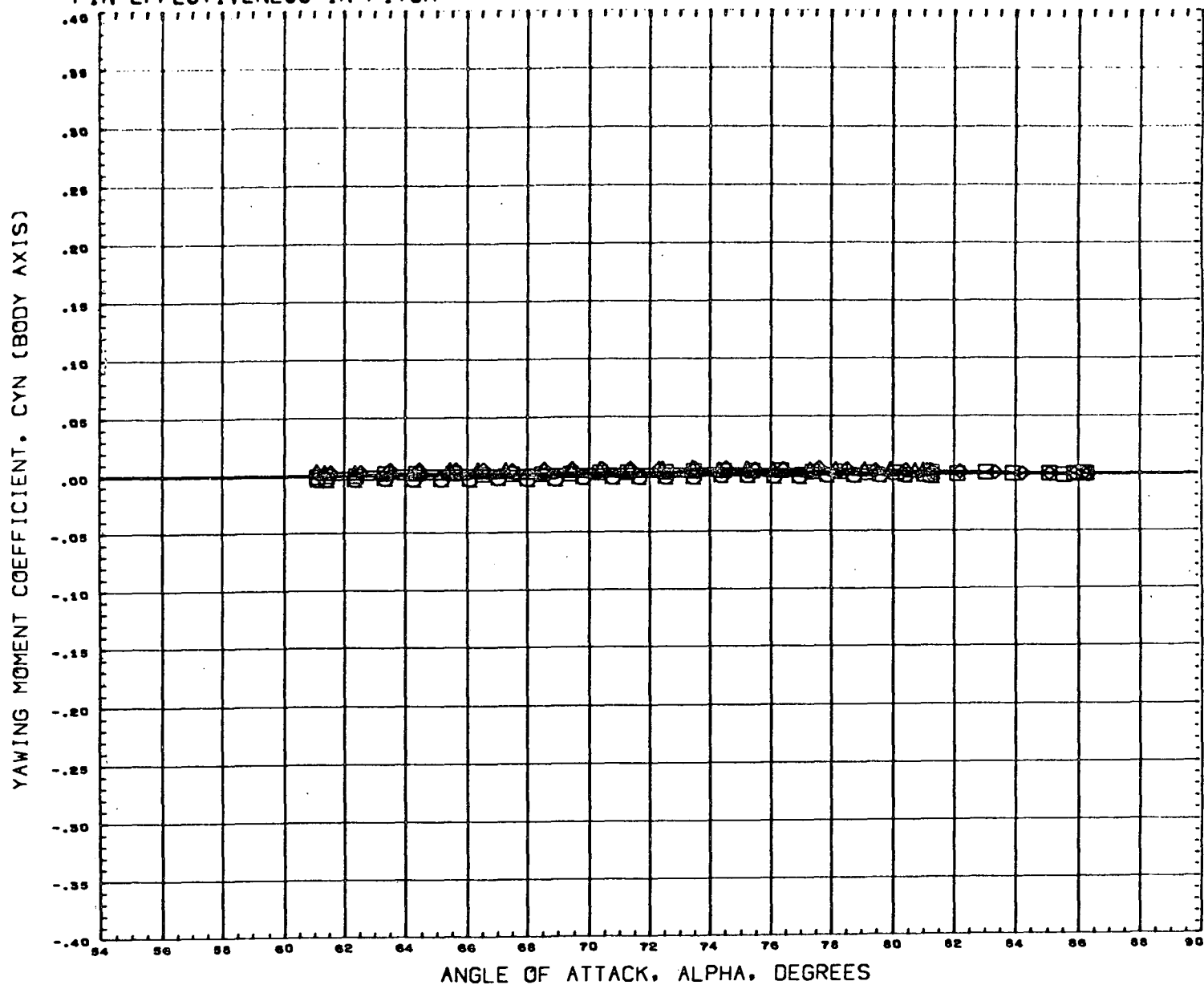
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH 2.70

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(BD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(BD8522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(BD8532)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

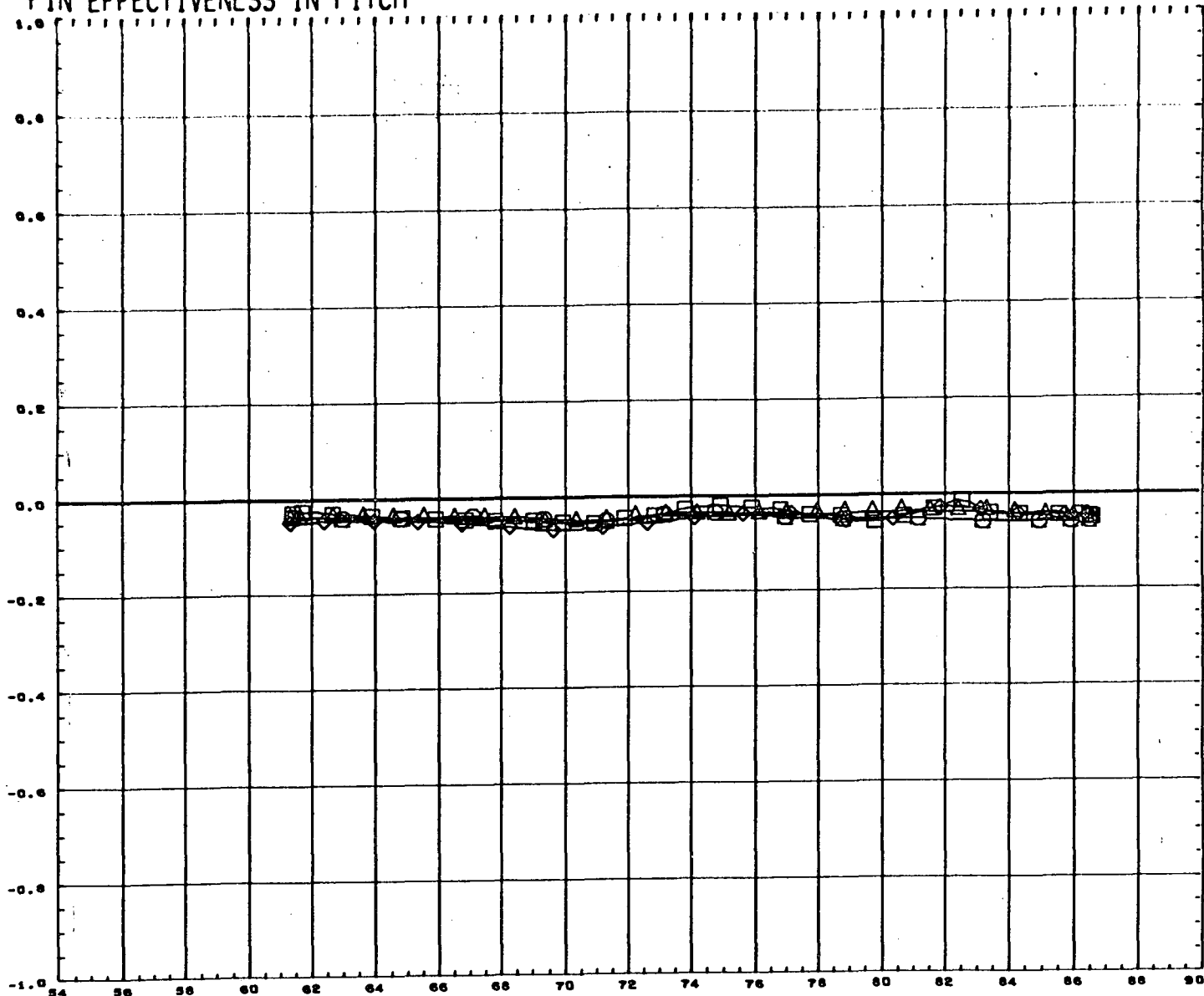
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BD6502)	○	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(BD6512)	△	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(BD6522)	◇	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(RD6532)	□	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F

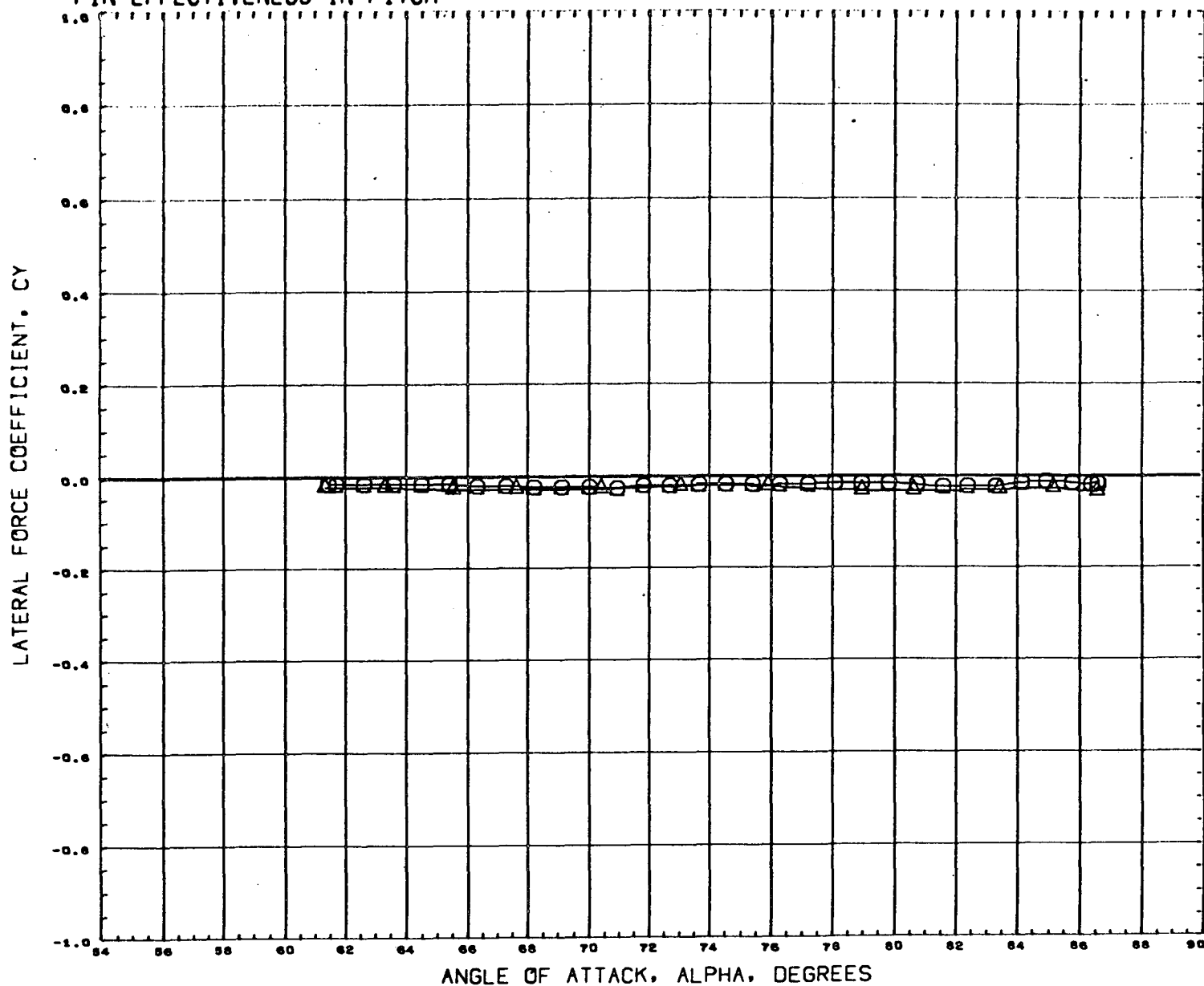
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8902)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(BD8912)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(BD8922)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8932)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

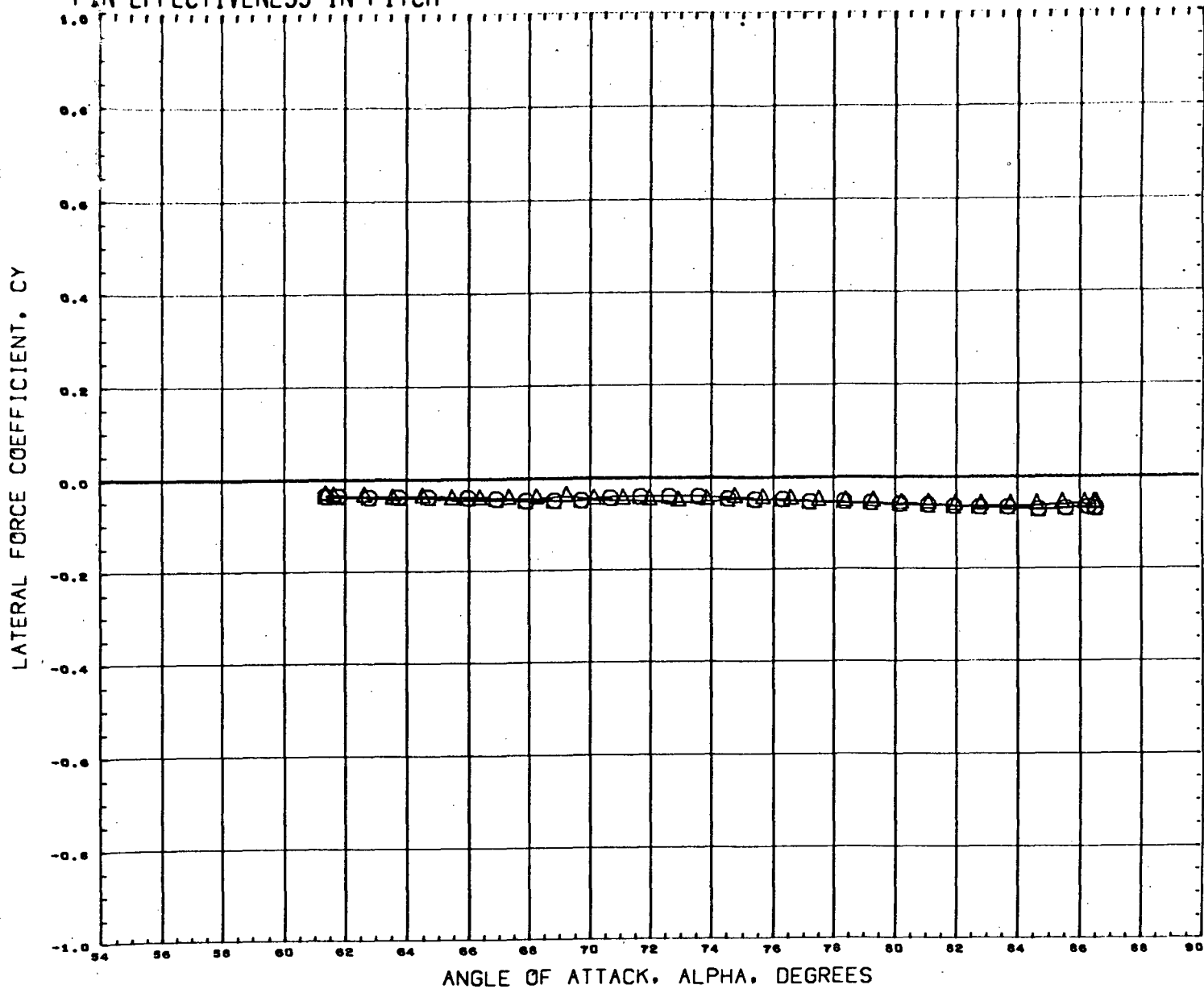
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BRF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

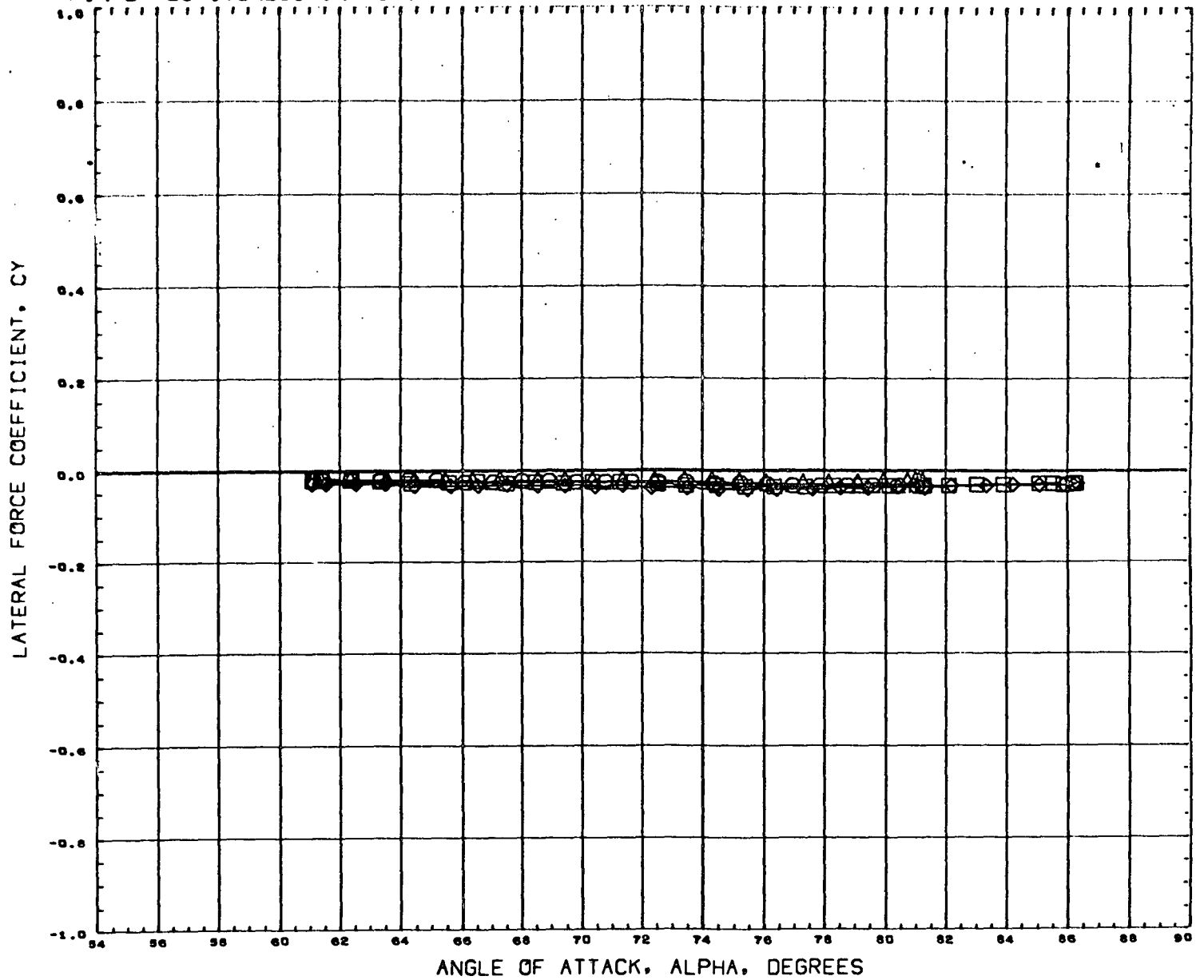
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.70

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1262/BSWT 557 PR-FED BRB 8583V6F
(808512)	BTWT 1262/BSWT 557 PR-FED BRB 8583V6F
(808522)	BTWT 1262/BSWT 557 PR-FED BRB 8583V6F
(808532)	BTWT 1262/BSWT 557 PR-FED BRB 8583V6F

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

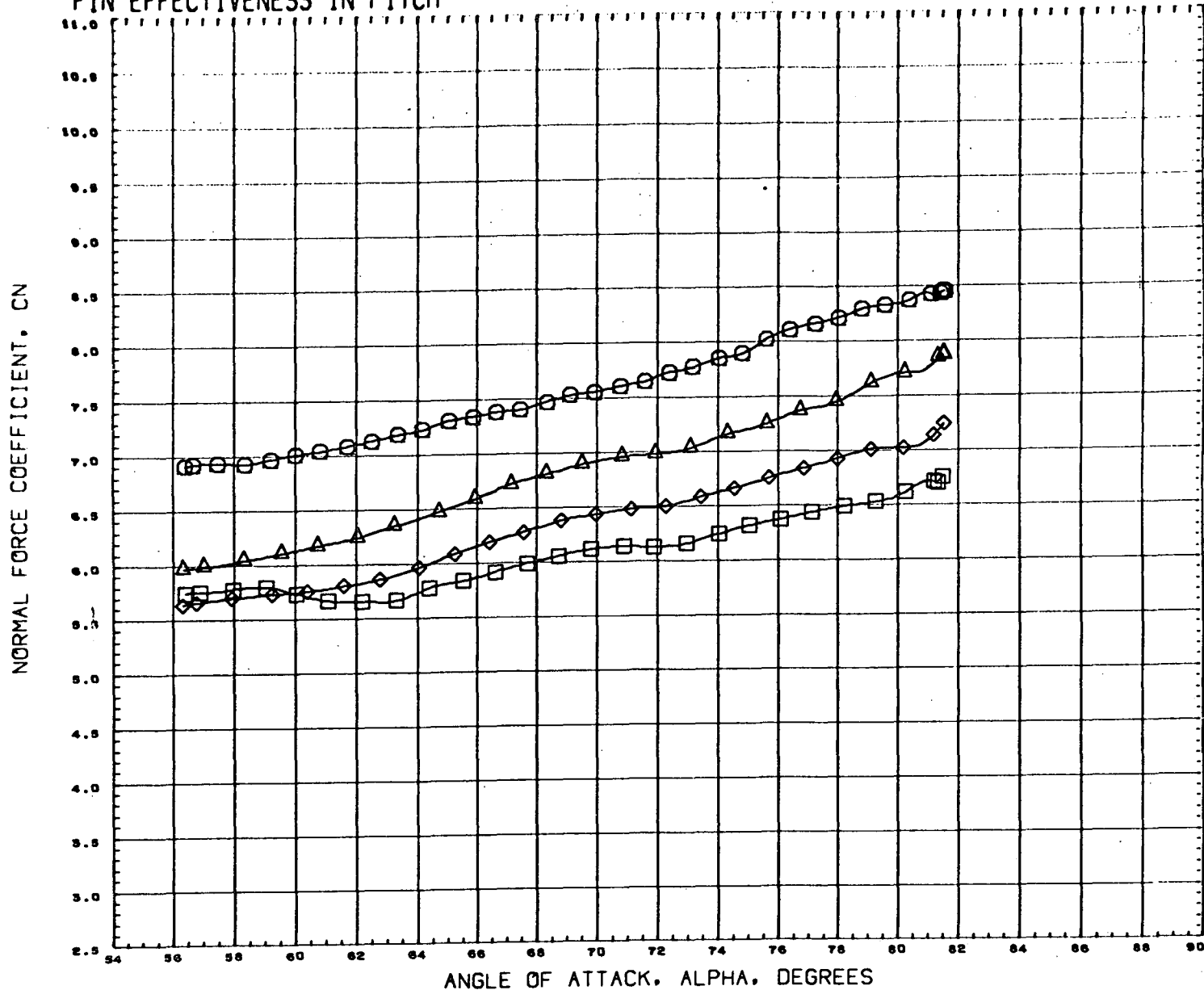
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
YMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

3.51

PAGE 614

# FIN EFFECTIVENESS IN PITCH



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB B553V6

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

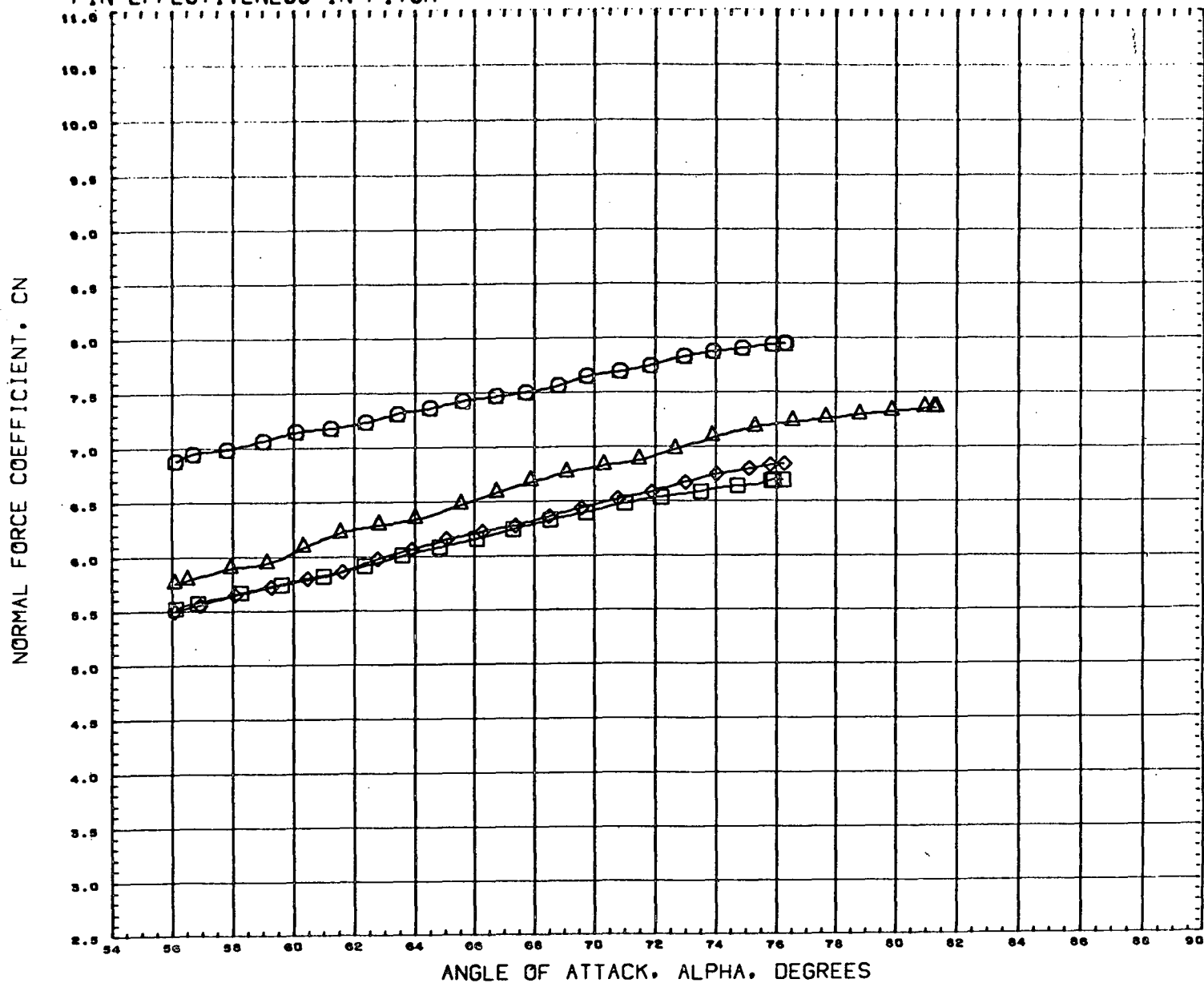
REFERENCE INFORMATION		
SREF	9.7500	50 IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH

1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6	0.000	0.000
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6	0.000	-40.000
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6	0.000	-60.000
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6	0.000	-80.000

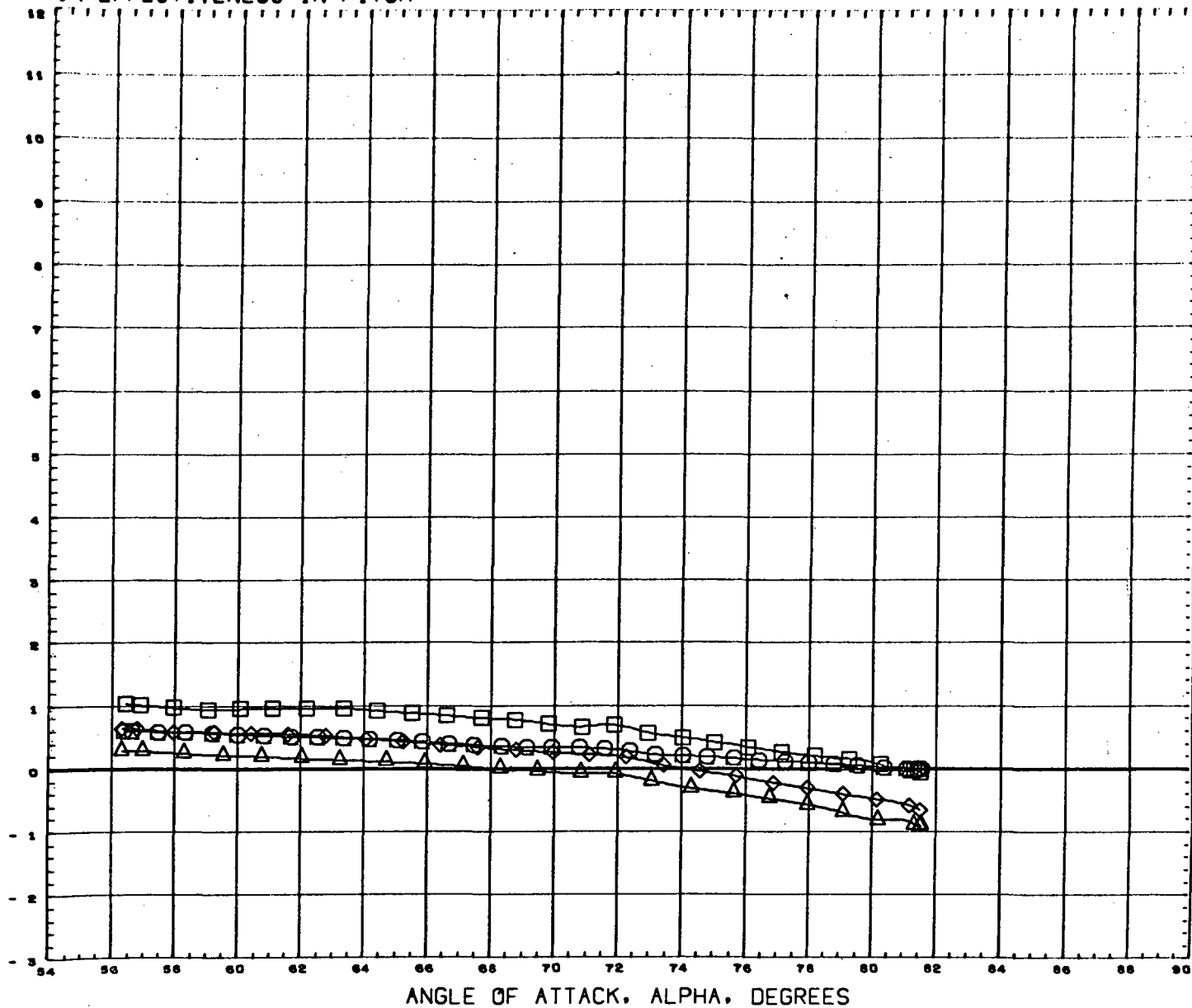
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	BTWT 1282/BSWT 557 PR-FED 8RB B5S3V6
(RD8412)	BTWT 1282/BSWT 557 PR-FED 8RB B5S3V6
(WD8422)	BTWT 1282/BSWT 557 PR-FED 8RB B5S3V6
(RD8432)	BTWT 1282/BSWT 557 PR-FED 8RB B5S3V6

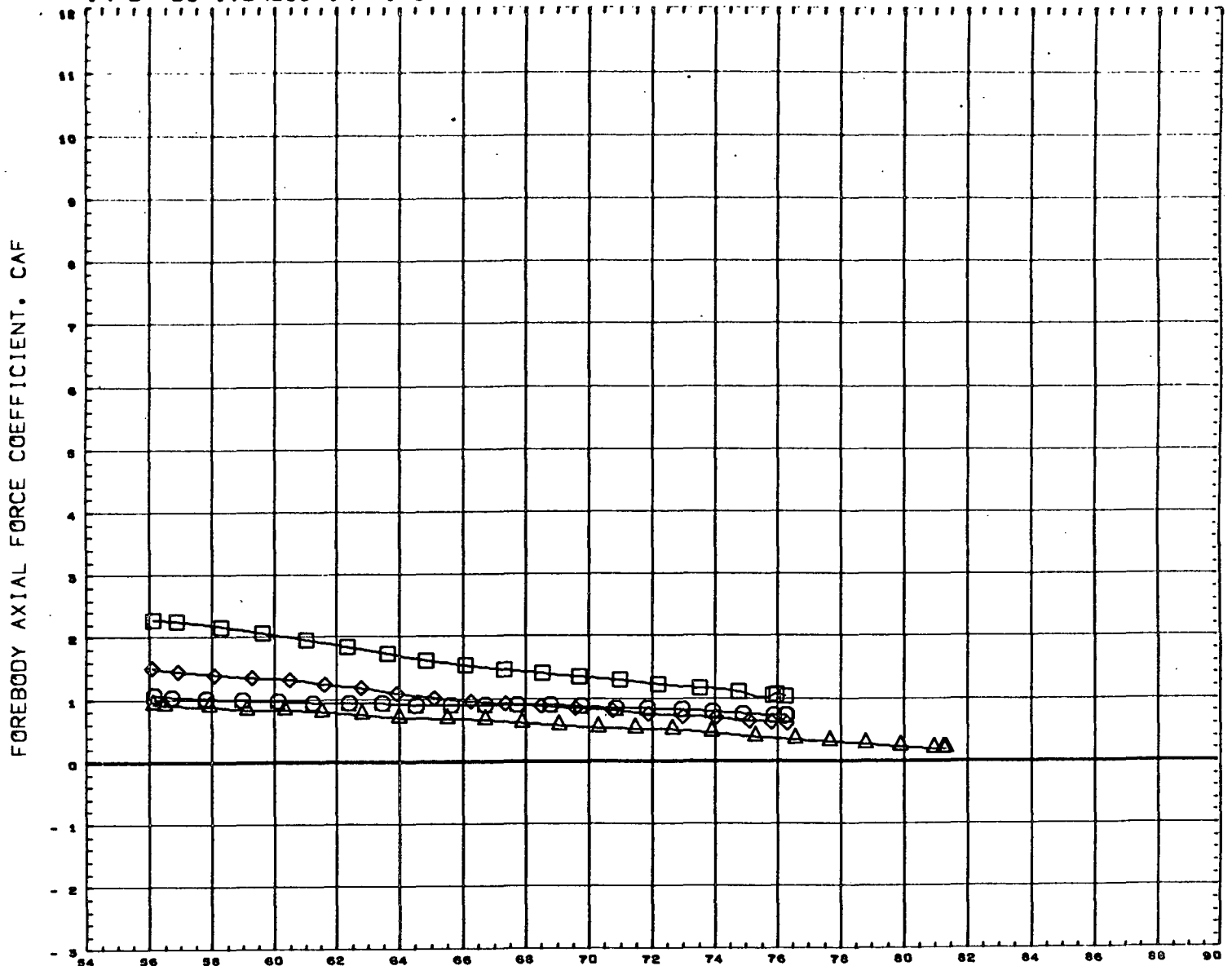
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION
SREF 9.7500 SQ. IN.
LREF 14.6630 INCHES
BREF 14.6630 INCHES
XMRP 0.6000 LBODY
YMRP 0.0000 INCHES
ZMRP 0.0000 INCHES
SCALE 0.8899 PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH



ANGLE OF ATTACK, ALPHA, DEGREES

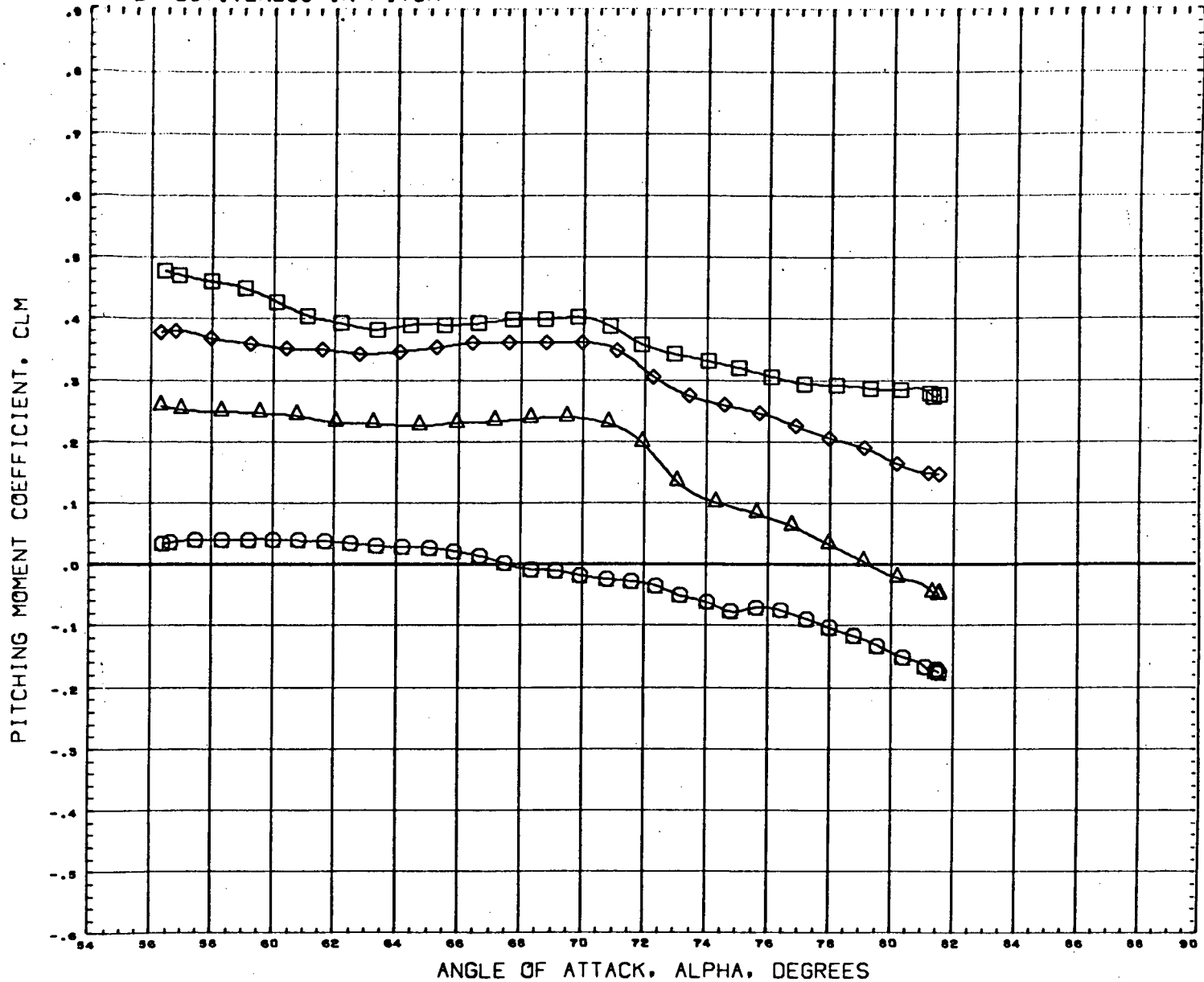
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(AD0402)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD0412)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6	0.000	-40.000	LREF	14.6830 INCHES
(WD0422)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6	0.000	-60.000	BREF	14.6830 INCHES
(RD0432)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6	0.000	-80.000	XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.6899 PERCENT

MACH

3.51

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6

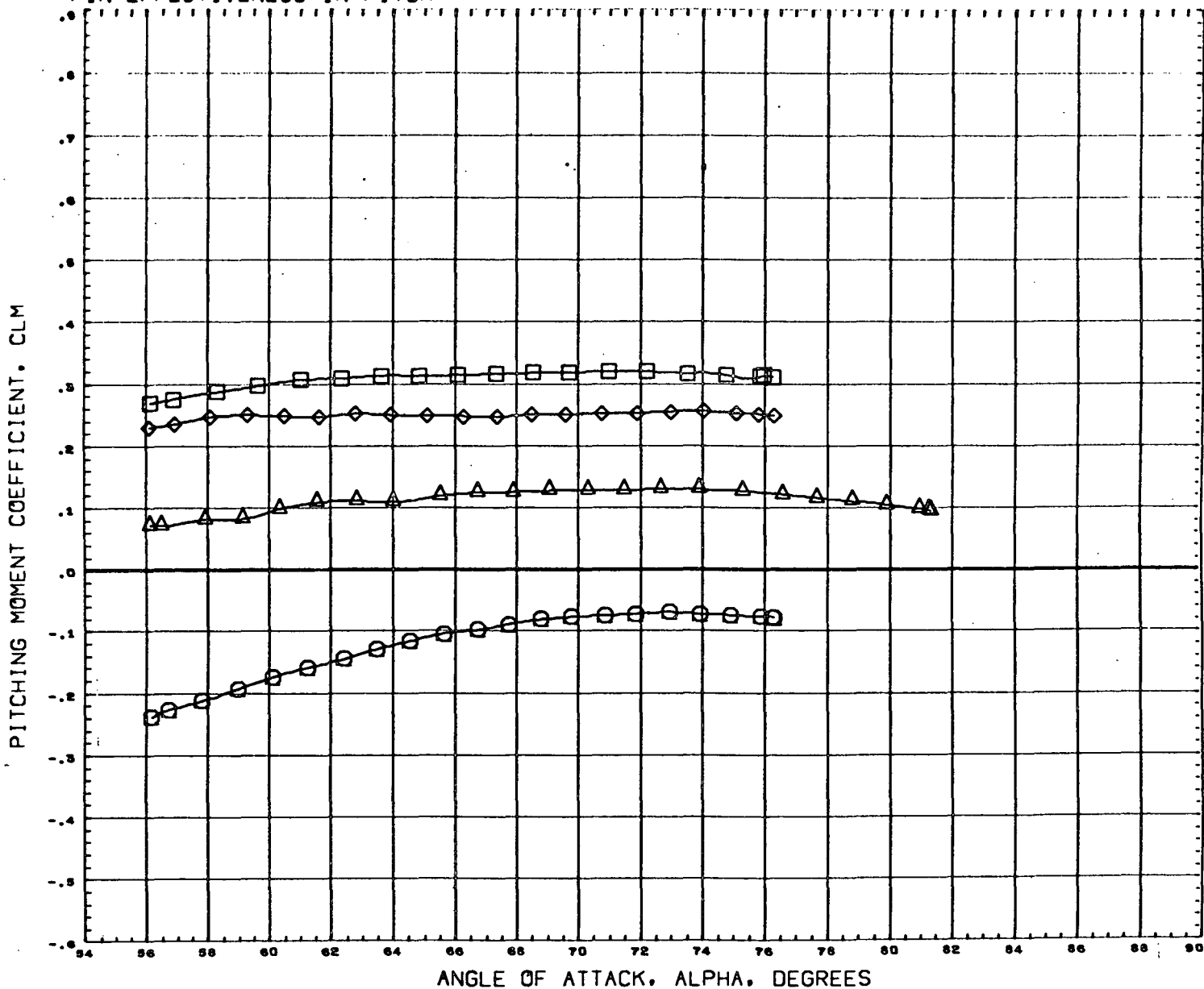
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6830 INCHES
BREF	14.6830 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.8899 PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

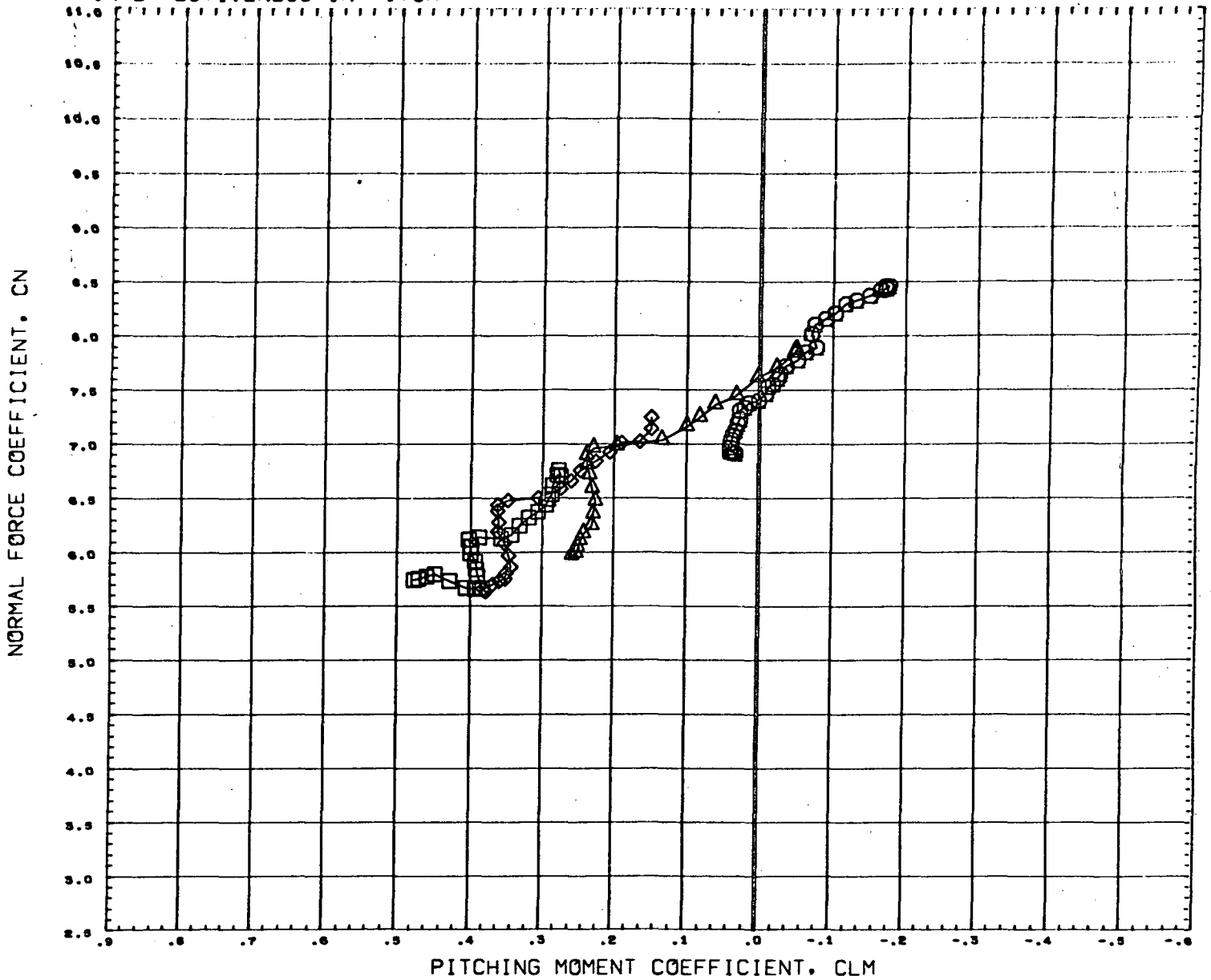
REFERENCE INFORMATION		
SREF	9.7500	sq.in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

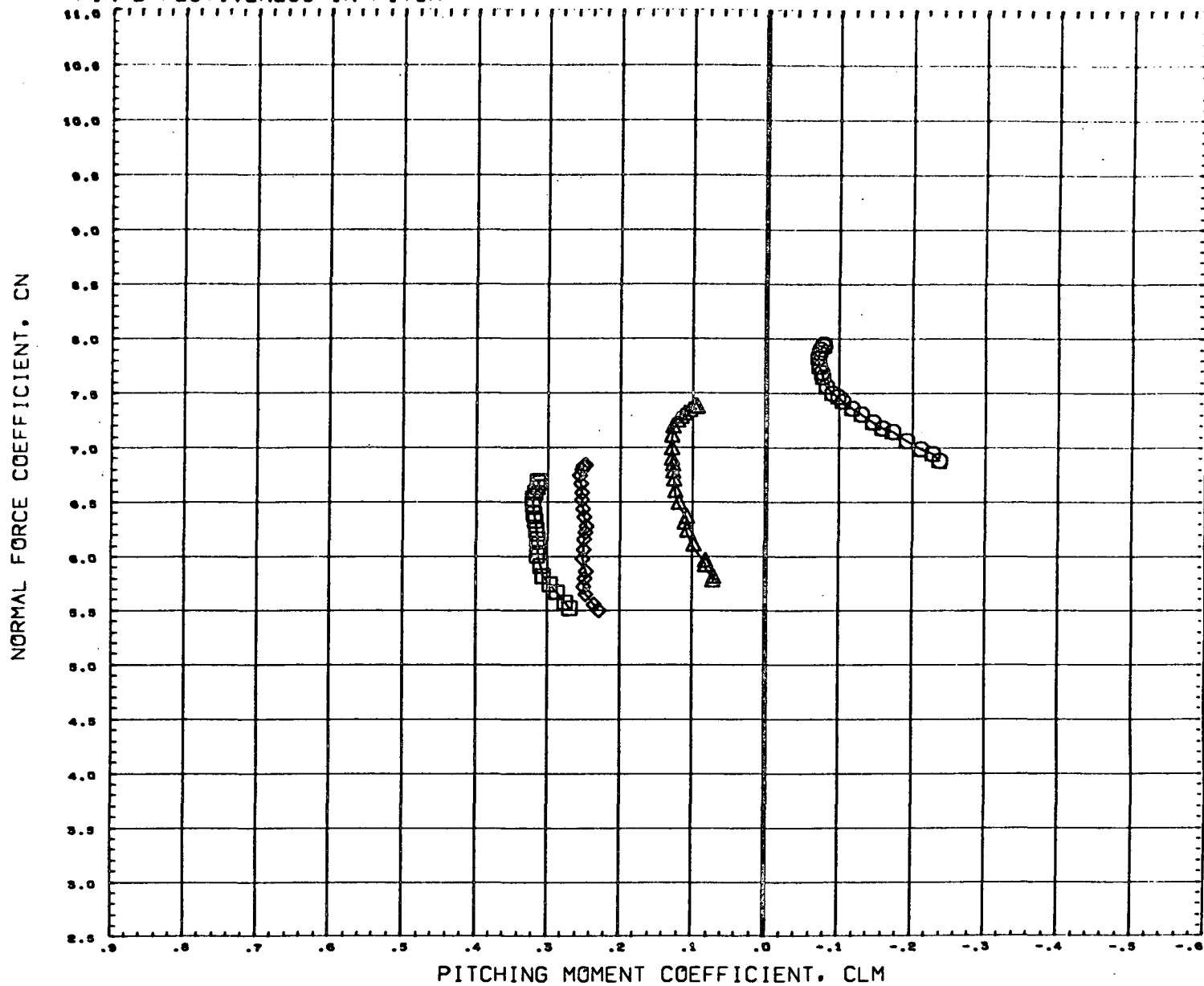
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XHRP	0.6000	LBODY
YHRP	0.0000	INCHES
ZHRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB B553V6

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

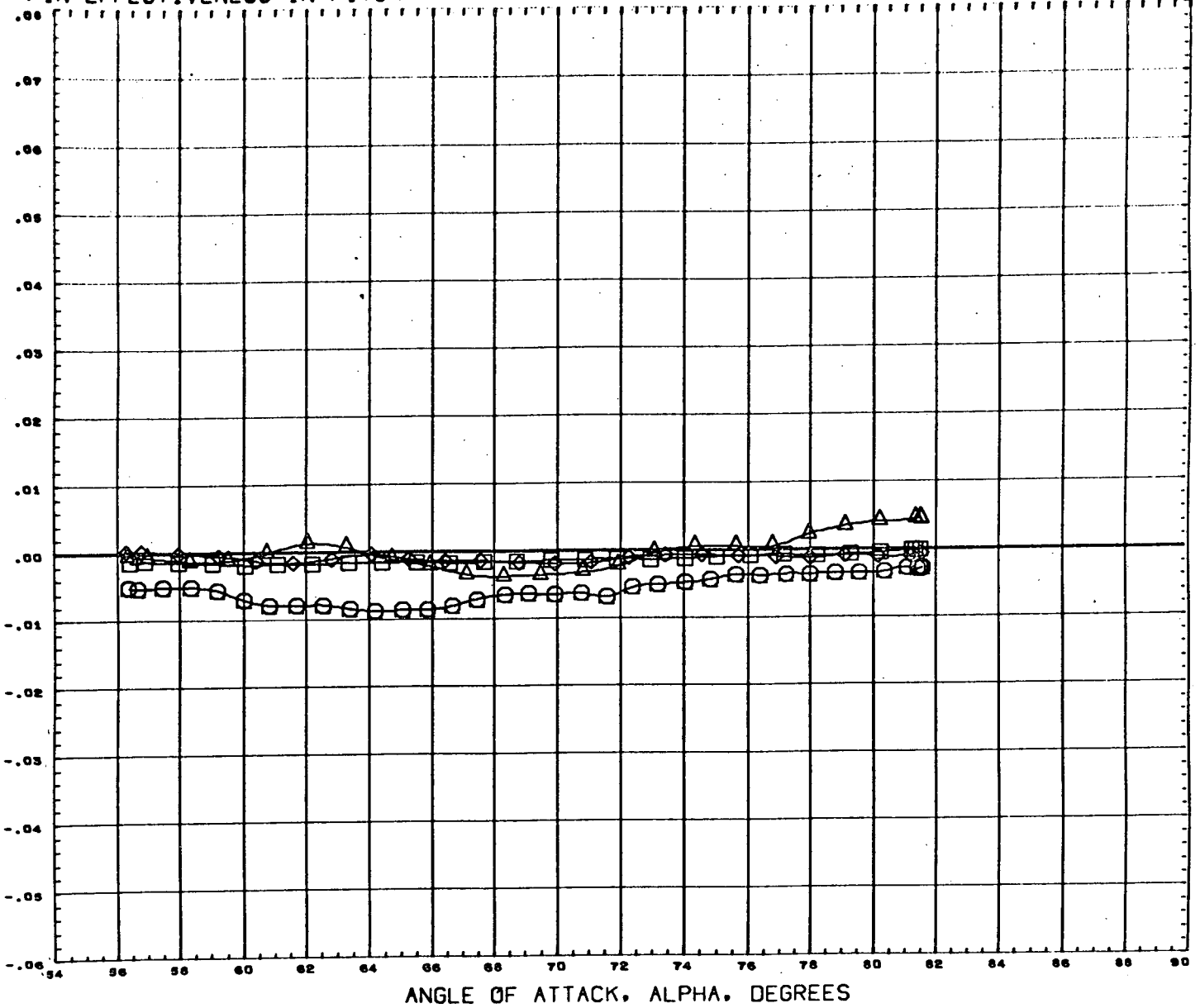
REFERENCE INFORMATION		
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LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AD6402)	△	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(RD6412)	□	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(WD6422)	◇	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6
(RD6432)	○	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

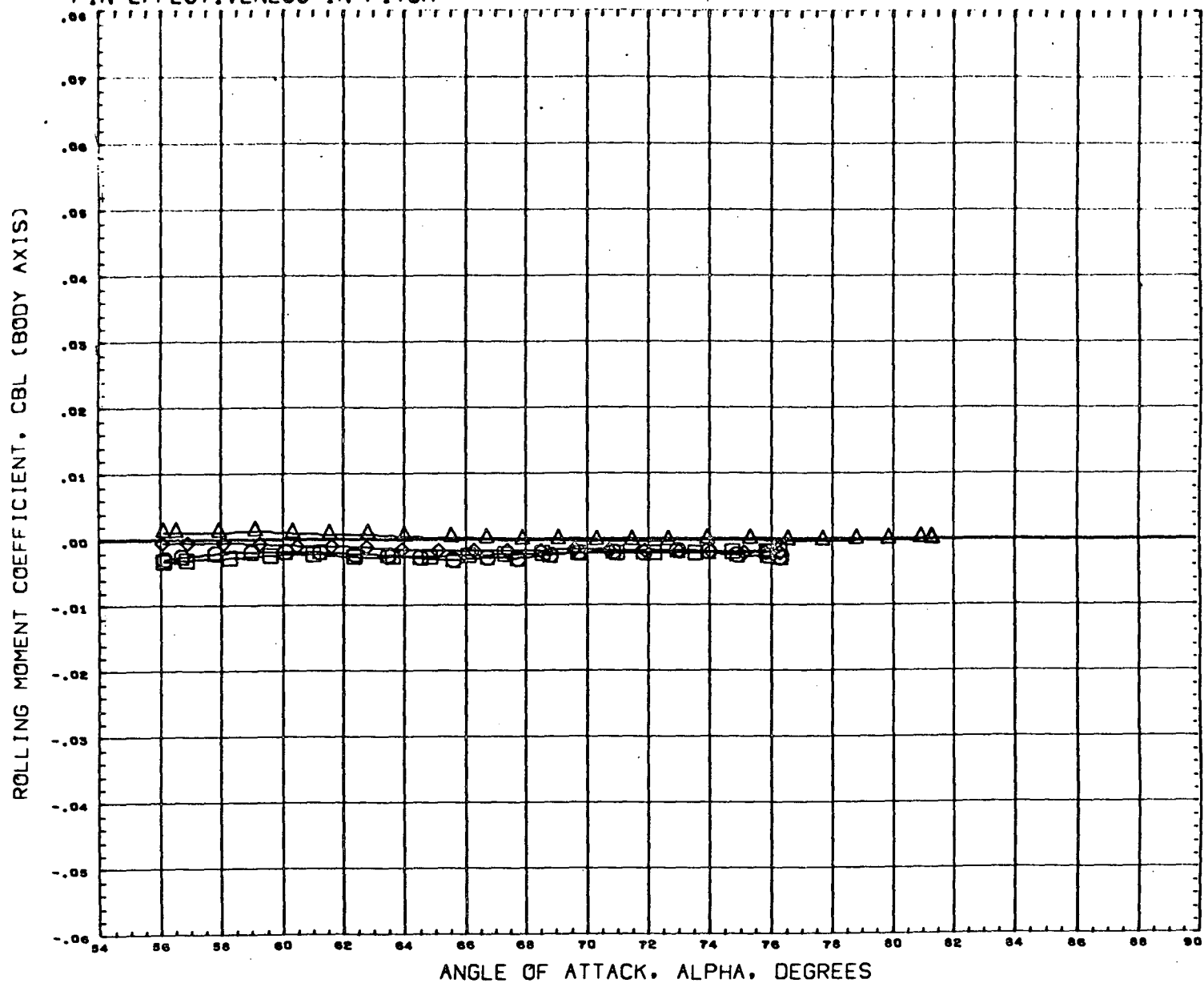
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH

1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	○	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6
(RD8412)	△	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6
(WD8422)	◇	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6
(RD8432)	□	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCNT

MACH

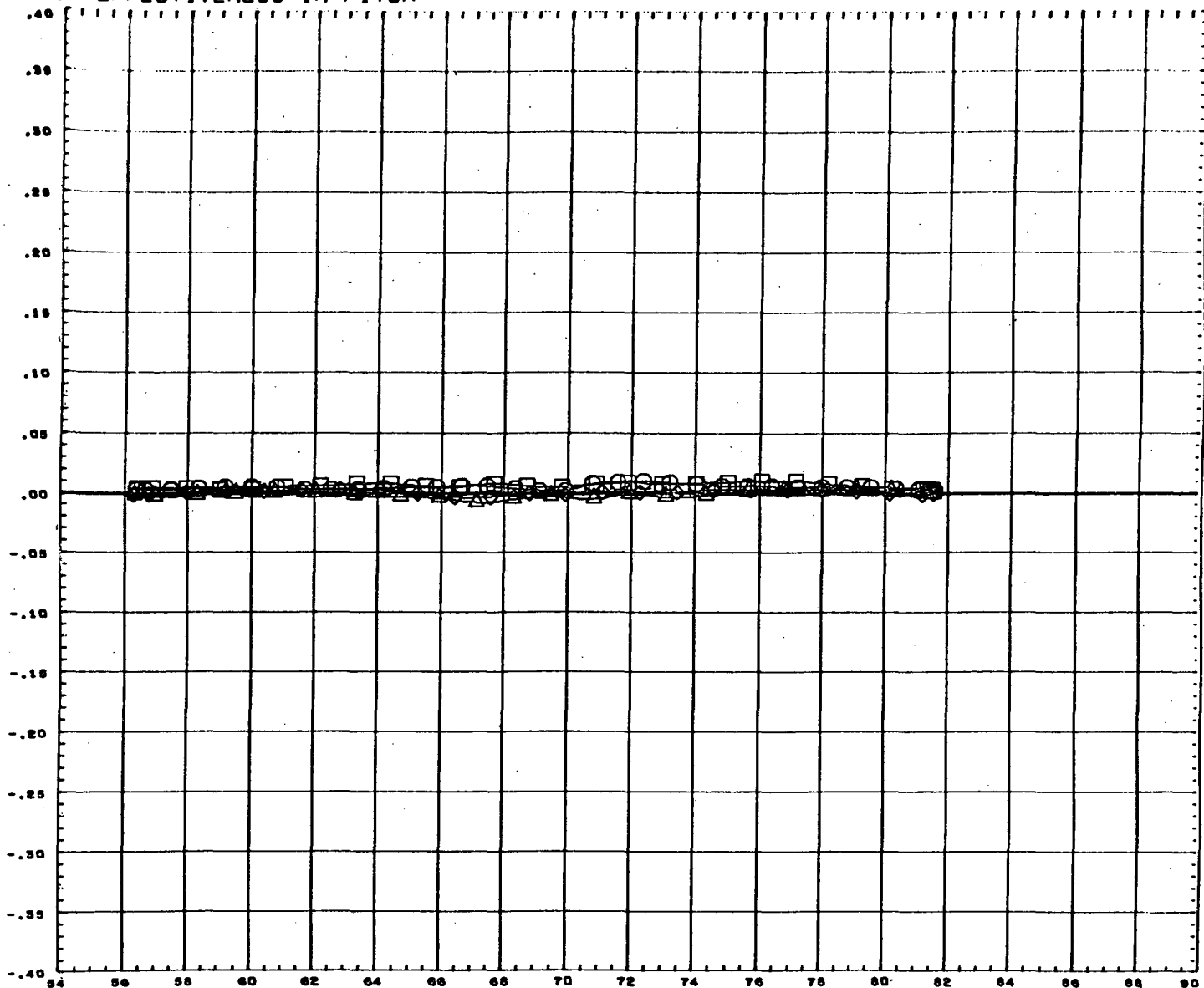
3.51

PAGE

624

# FIN EFFECTIVENESS IN PITCH

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	○	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(RD8412)	△	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(LD8422)	◇	BTWT 1282/BSWT 557 PR-FED BRB B553V6
(RD8432)	□	BTWT 1282/BSWT 557 PR-FED BRB B553V6

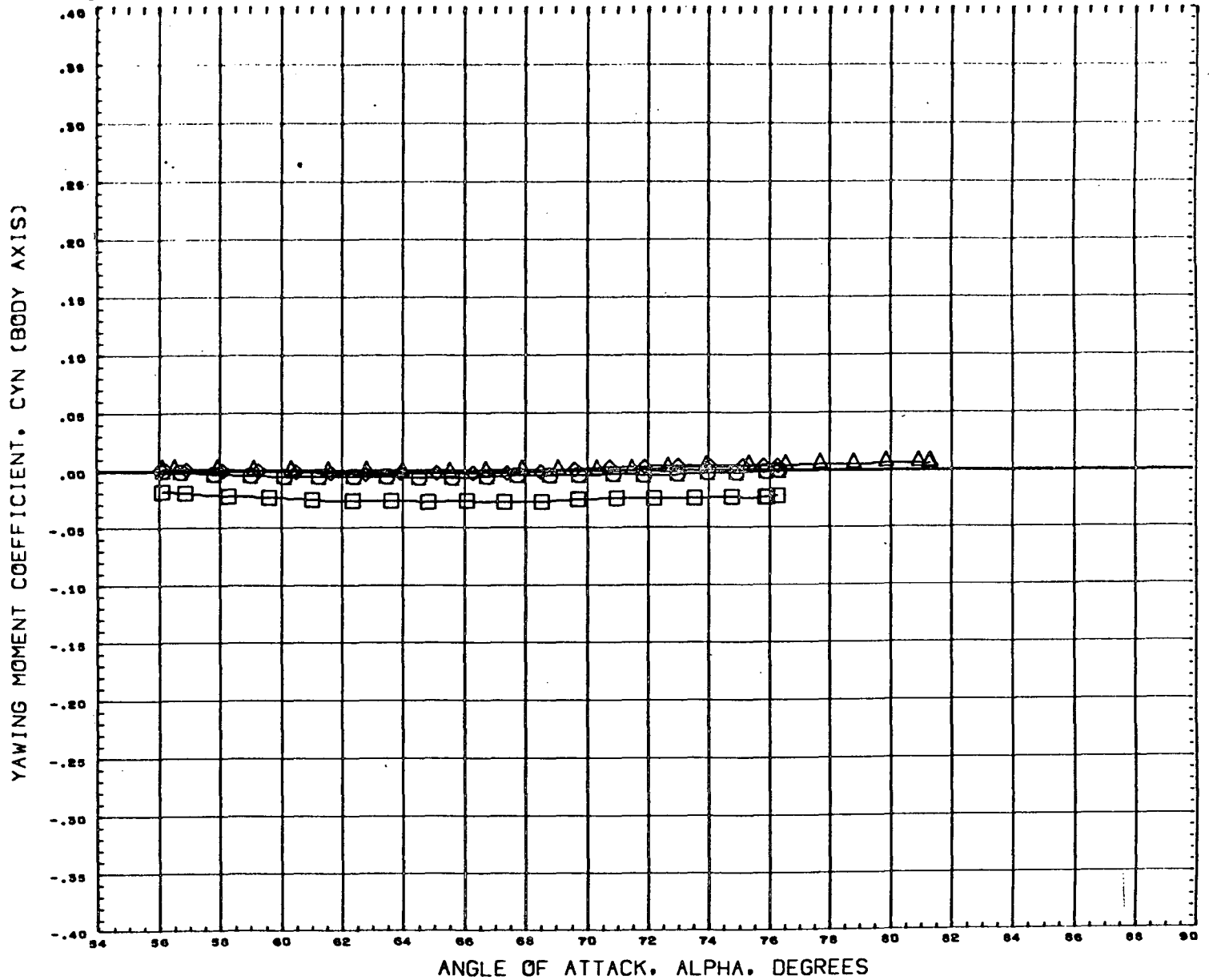
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.0000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH

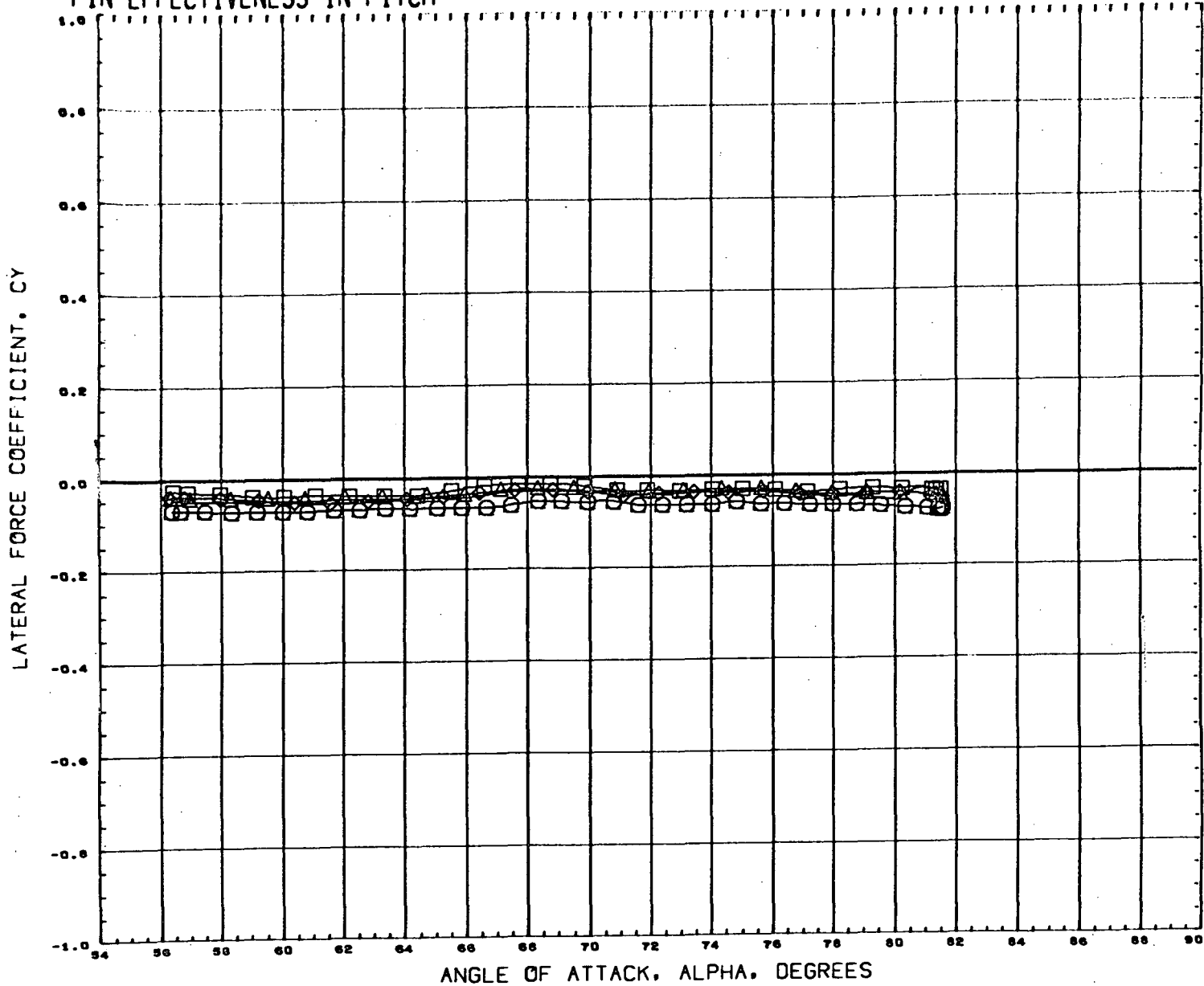


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION	
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	0.000	SREF	9.7500 SQ. IN.
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	-40.000	LREF	14.6630 INCHES
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	-60.000	BREF	14.6630 INCHES
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6	0.000	-80.000	XMRP	0.6000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.6699 PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN PITCH



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	○	BTWT 1282/BSWT 557 PR-FED BRB 8553V6
(RD8412)	△	BTWT 1282/BSWT 557 PR-FED BRB 8553V6
(WD8422)	□	BTWT 1282/BSWT 557 PR-FED BRB 8553V6
(RD8432)	◇	BTWT 1282/BSWT 557 PR-FED BRB 8553V6

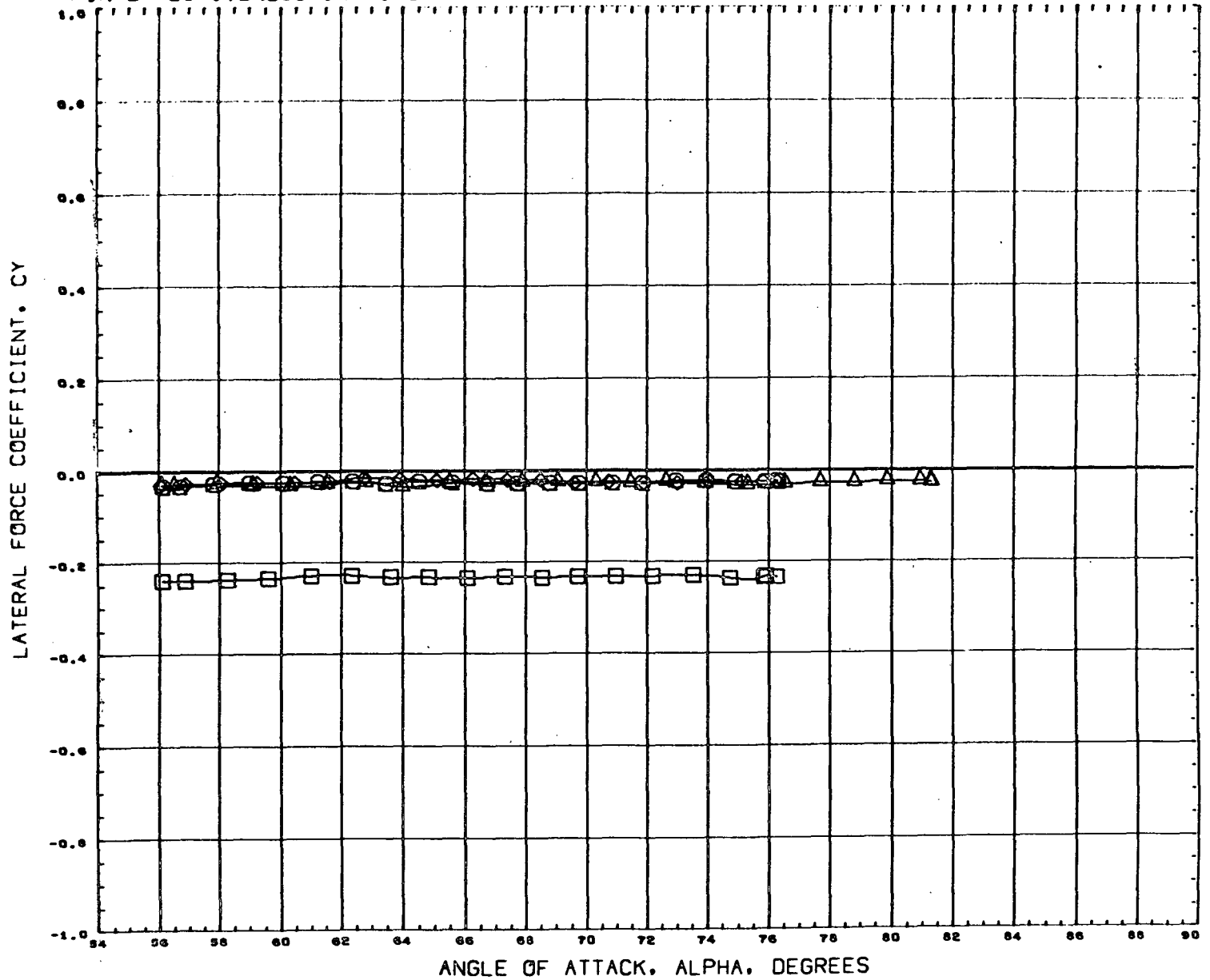
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMHP	0.6000	LBODY
YMHP	0.0000	INCHES
ZMHP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AD8402)	BTWT 1282/BSWT 557 PR-FED BRB B583V6
(RD8412)	BTWT 1282/BSWT 557 PR-FED BRB B583V6
(WD8422)	BTWT 1282/BSWT 557 PR-FED BRB B583V6
(RD8432)	BTWT 1282/BSWT 557 PR-FED BRB B583V6

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

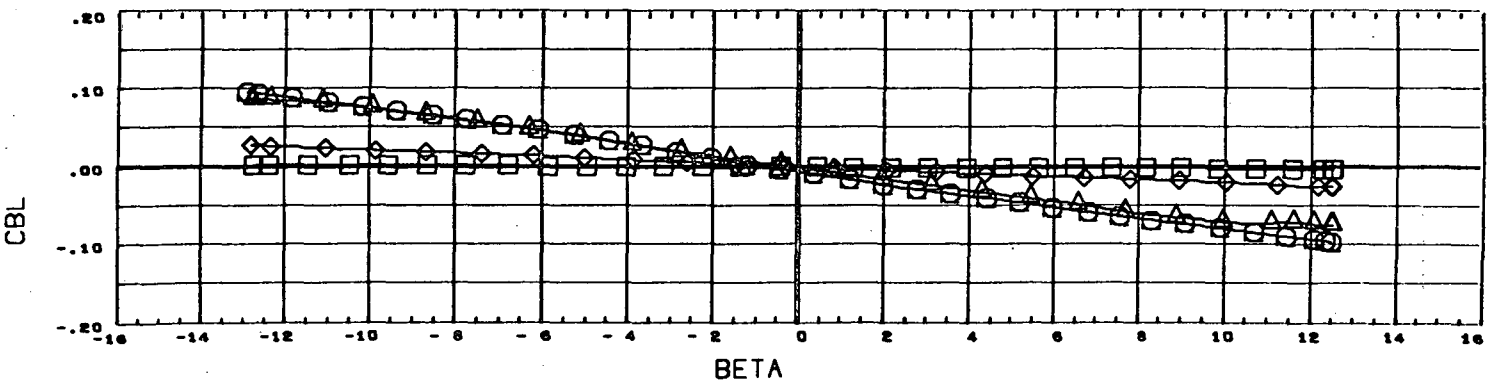
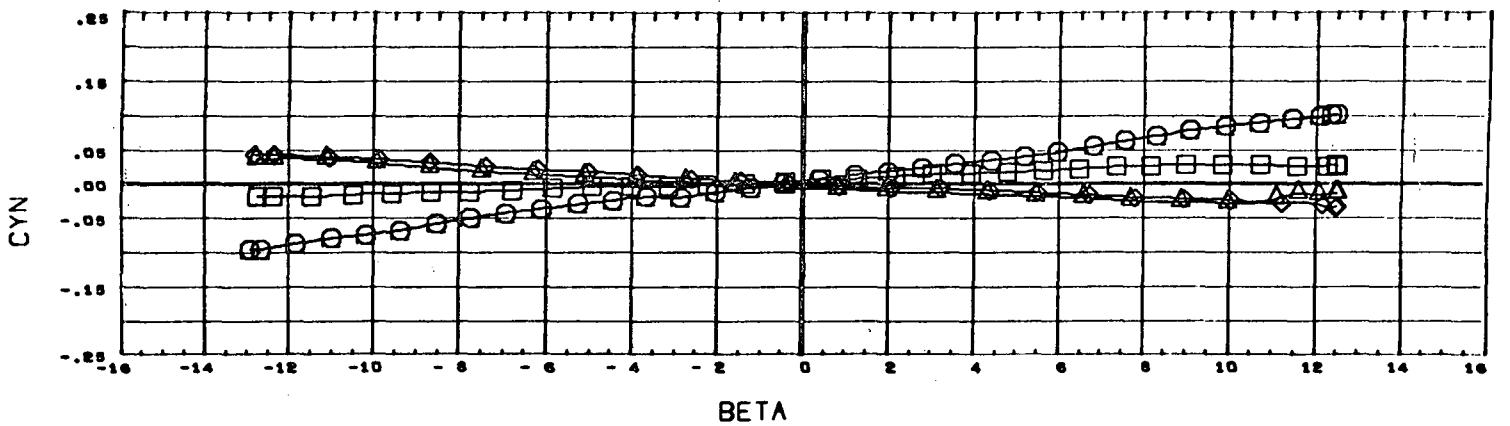
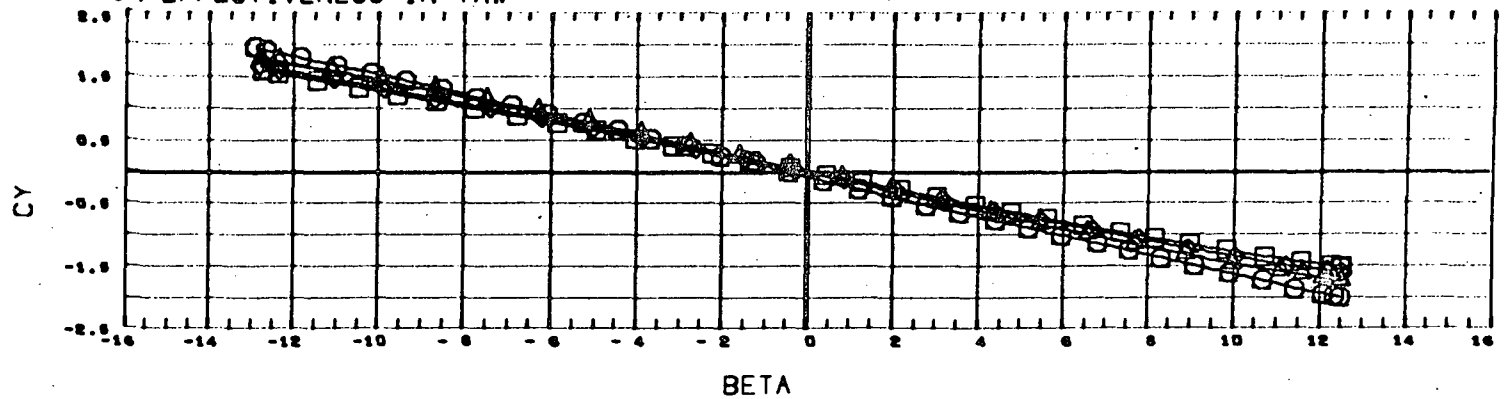
REFERENCE INFORMATION		
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LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 3.51

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# FIN EFFECTIVENESS IN YAW



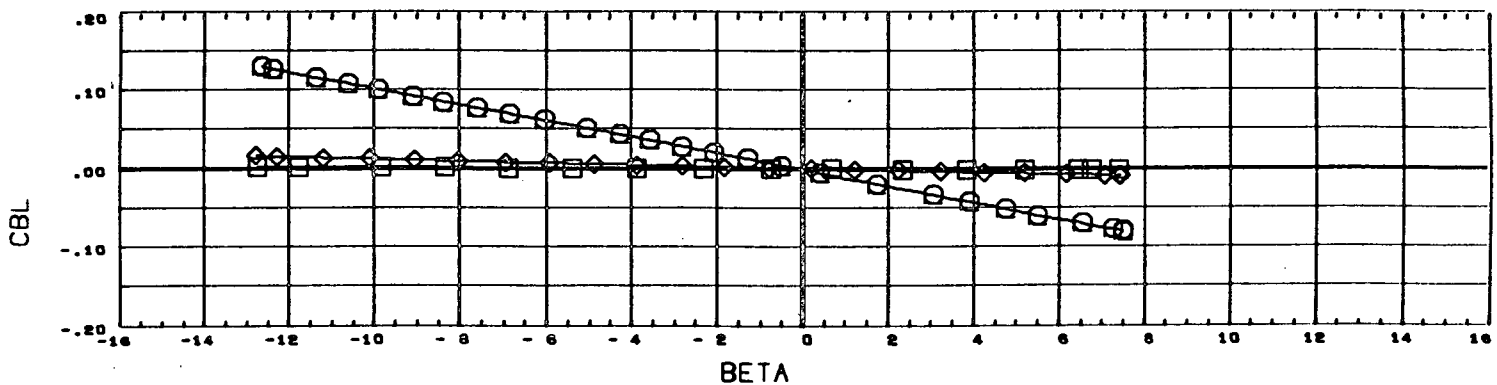
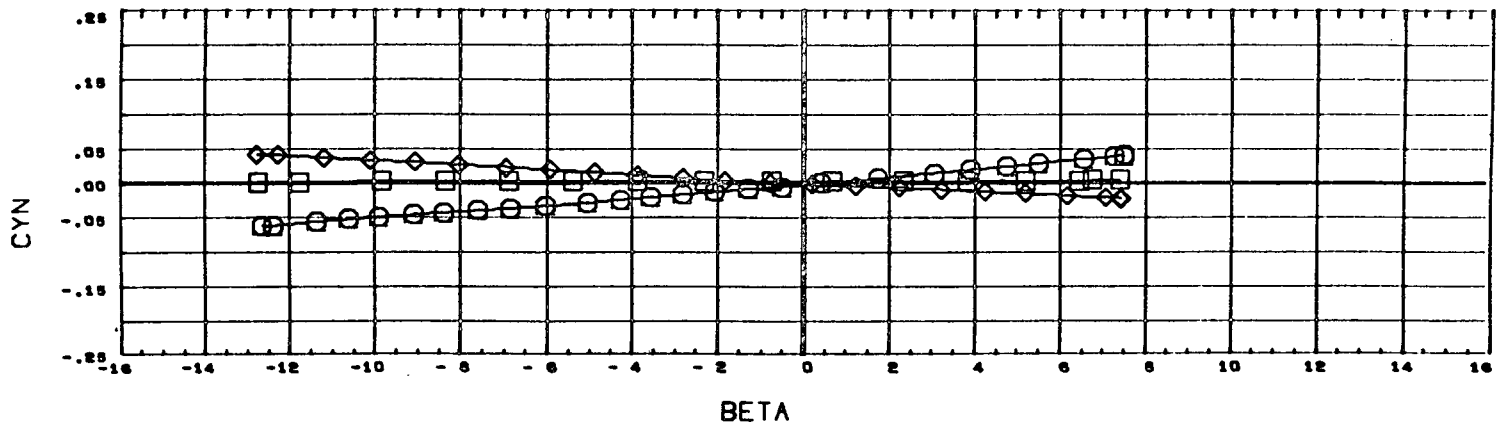
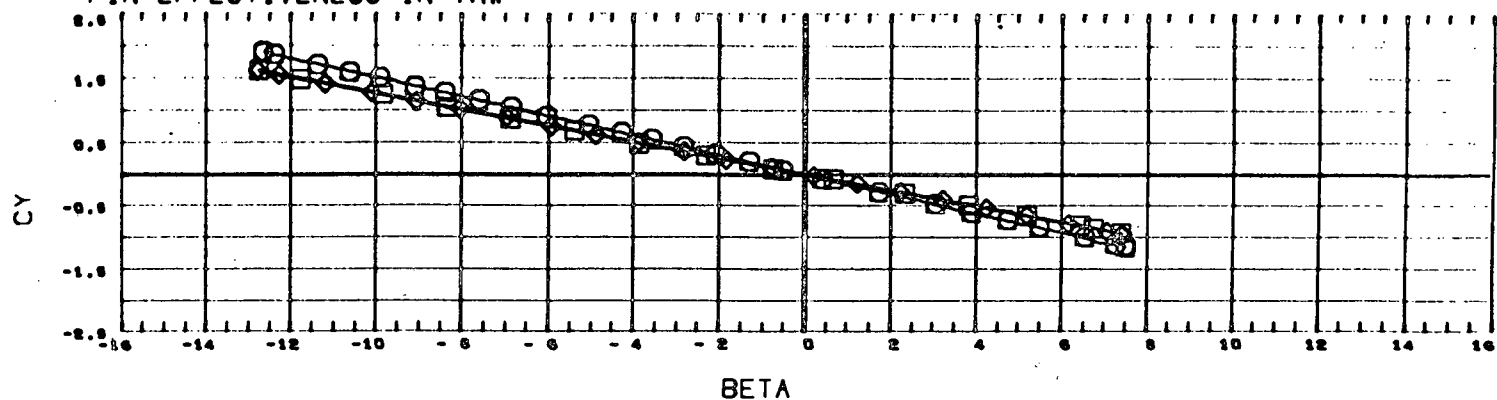
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	DELTA V
(BD8406)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	67.500	0.000
(RD8416)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	67.500	-40.000
(RD8426)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	67.500	-60.000
(RD8436)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6	67.500	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# FIN EFFECTIVENESS IN YAW



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD8406)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8416)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD8426)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8436)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6

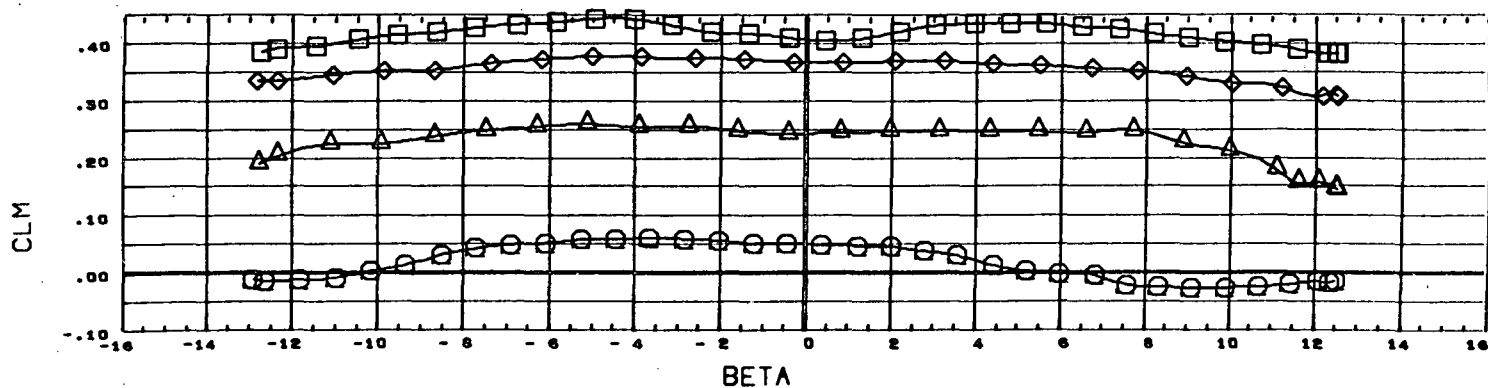
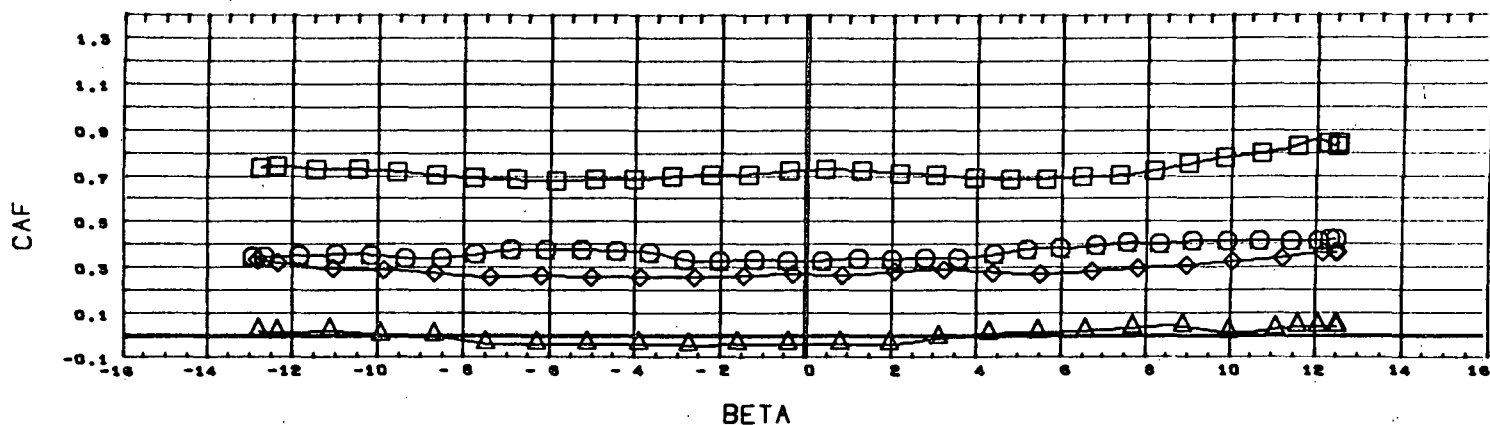
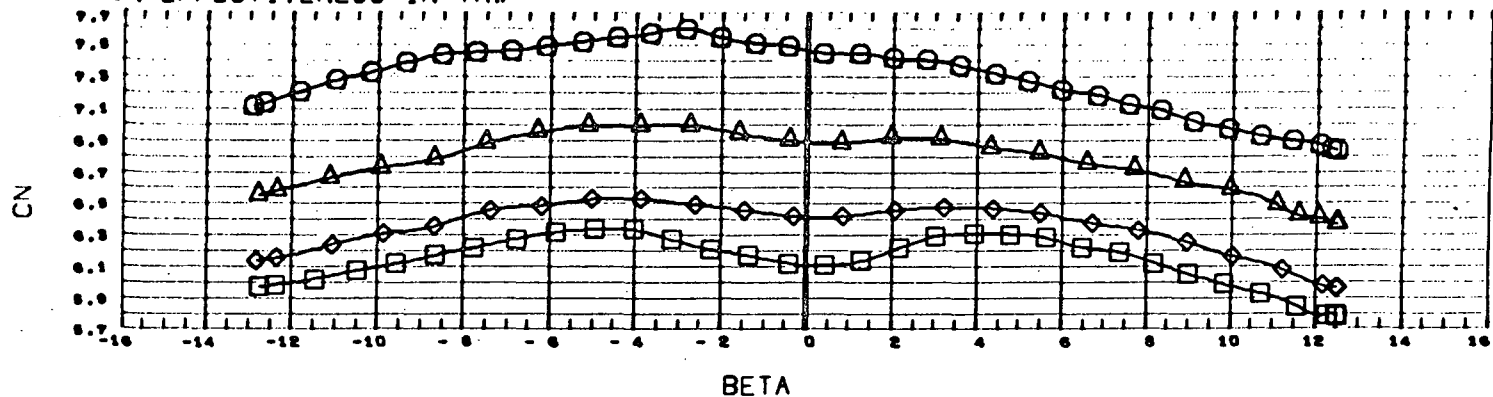
ALPHA	DELTAV
67.500	0.000
67.500	-40.000
67.500	-60.000
67.500	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6899	PERCNT

MACH 3.51

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# FIN EFFECTIVENESS IN YAW



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B08406)	○	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8416)	△	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8426)	◇	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6
(RD8436)	□	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6

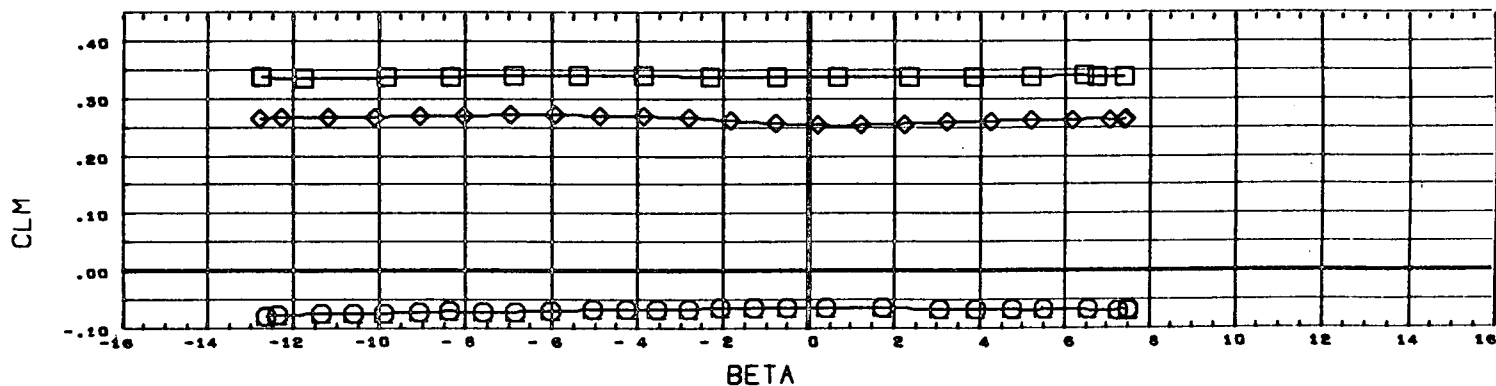
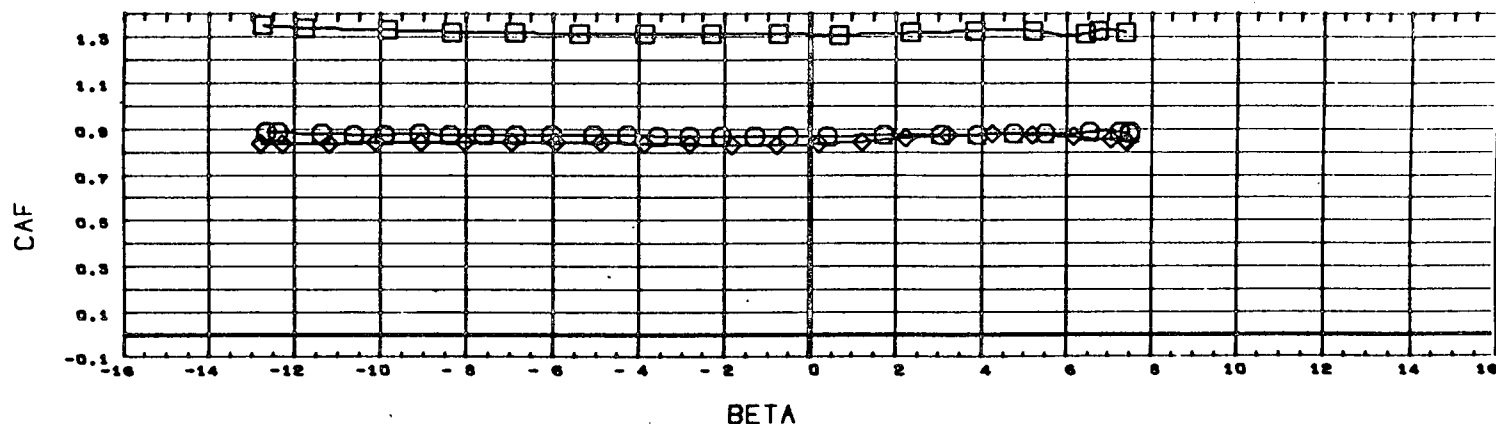
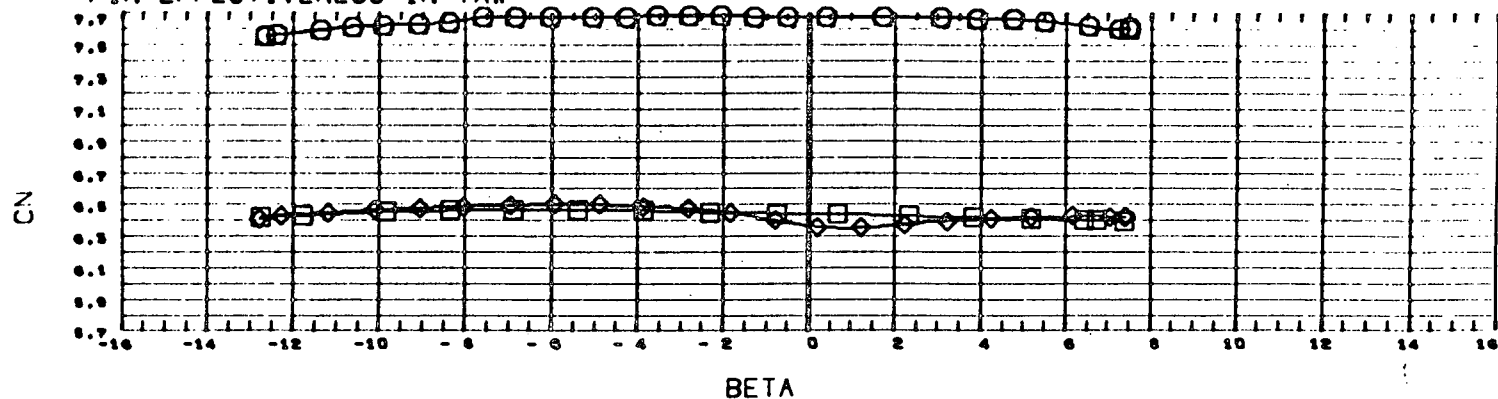
ALPHA	DELTA V
67.500	0.000
67.500	-40.000
67.500	-60.000
67.500	-80.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 1.60

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# FIN EFFECTIVENESS IN YAW



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BD8406)	BTWT 1282/BSWT 557	PR-FED BRB	B553V6
(RD8416)	DATA NOT AVAILABLE FOR ALL CONDITIONS		
(RD8426)	BTWT 1282/BSWT 557	PR-FED BRB	B553V6
(RD8436)	BTWT 1282/BSWT 557	PR-FED BRB	B553V6

ALPHA DELTAV

67.500	0.000
67.500	-40.000
67.500	-60.000
67.500	-80.000

REFERENCE INFORMATION

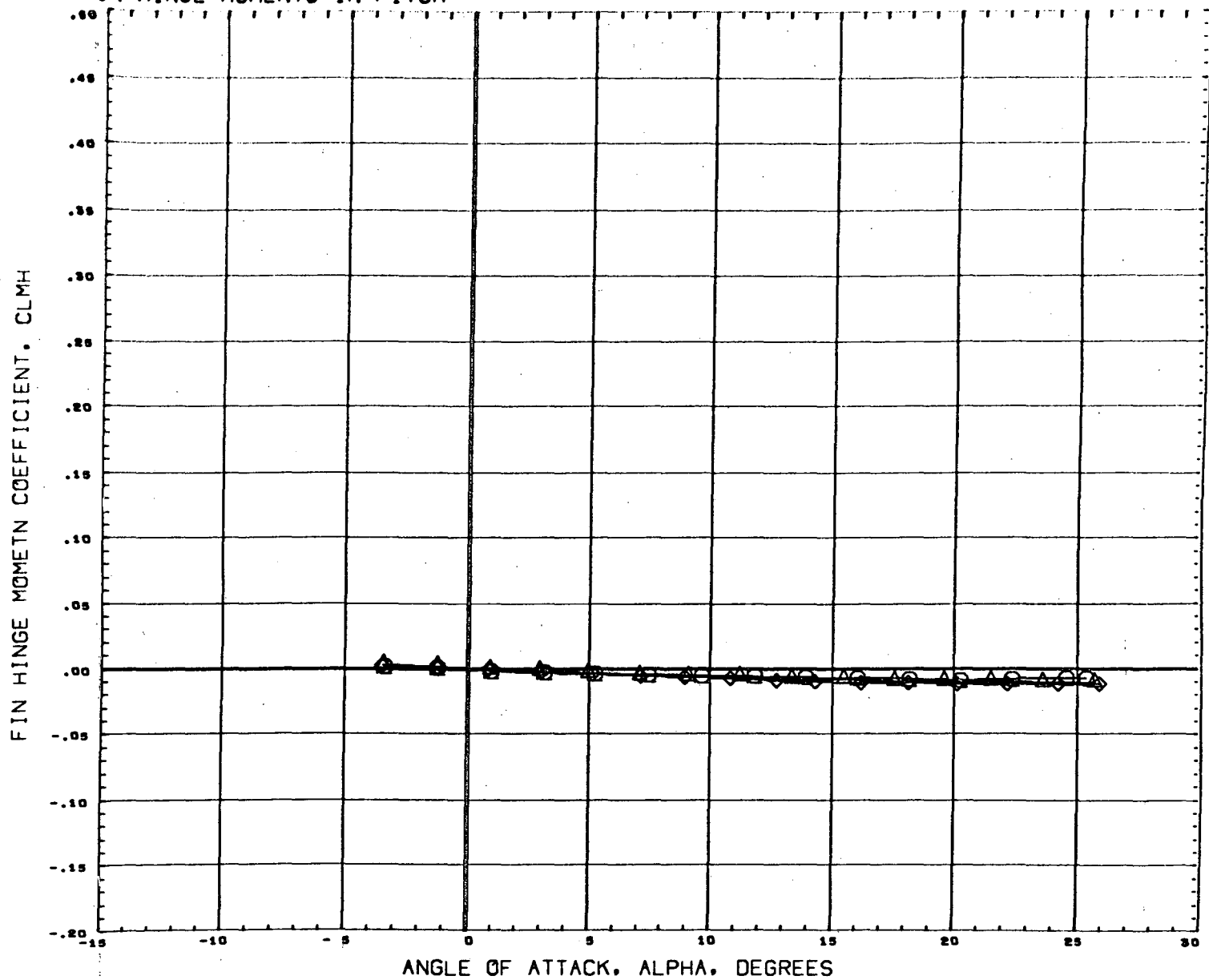
SREF	9.7500	SQ.IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

3.51

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# FIN HINGE MOMENTS IN PITCH

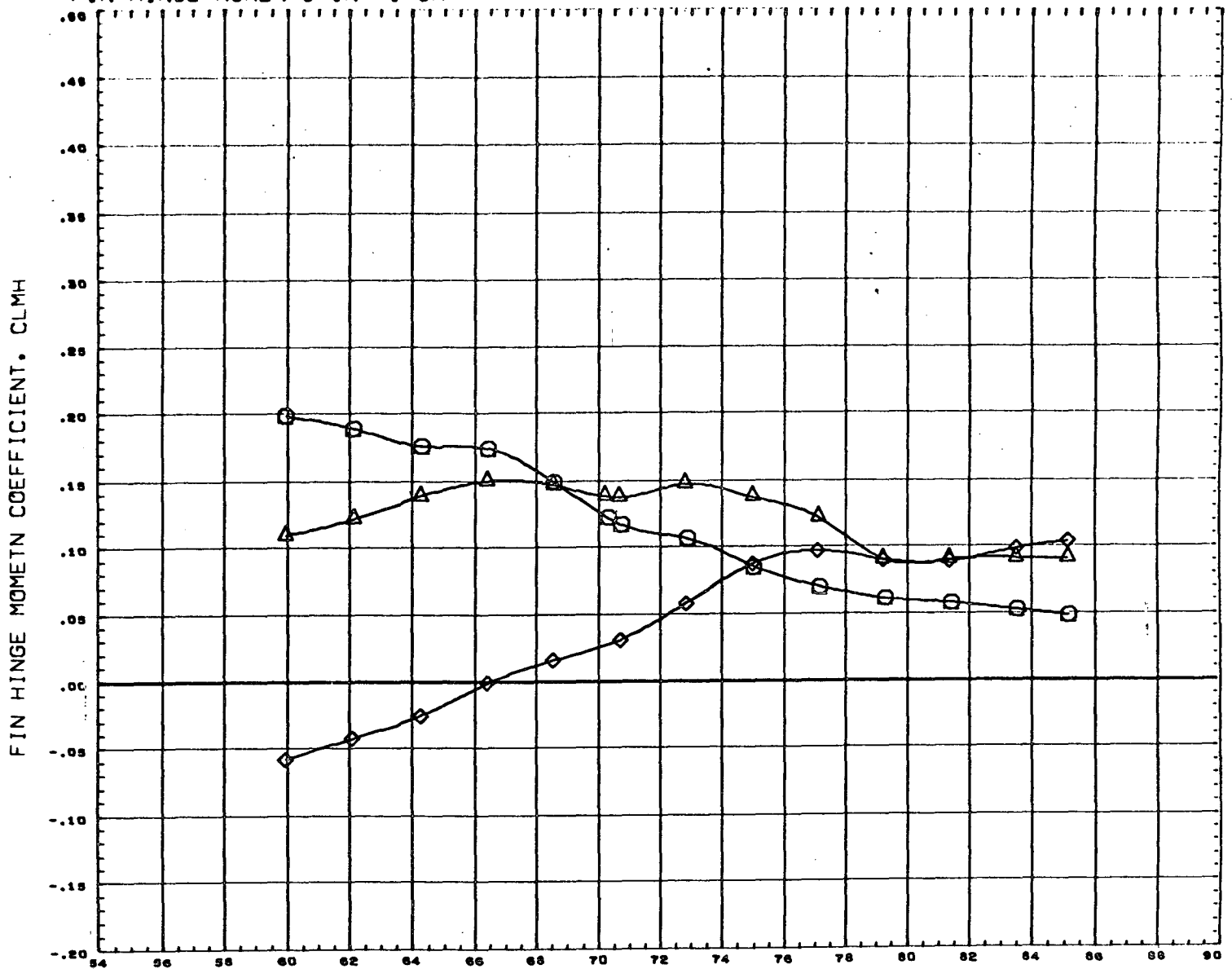


SYMBOL	MACH	BETA	PARAMETRIC VALUES	DELTA V
○	0.600	0.000	0.000	0.000
△	0.900			
◇	1.050			

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

DATA HIST. CODE \*6

# FIN HINGE MOMENTS IN PITCH.



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000

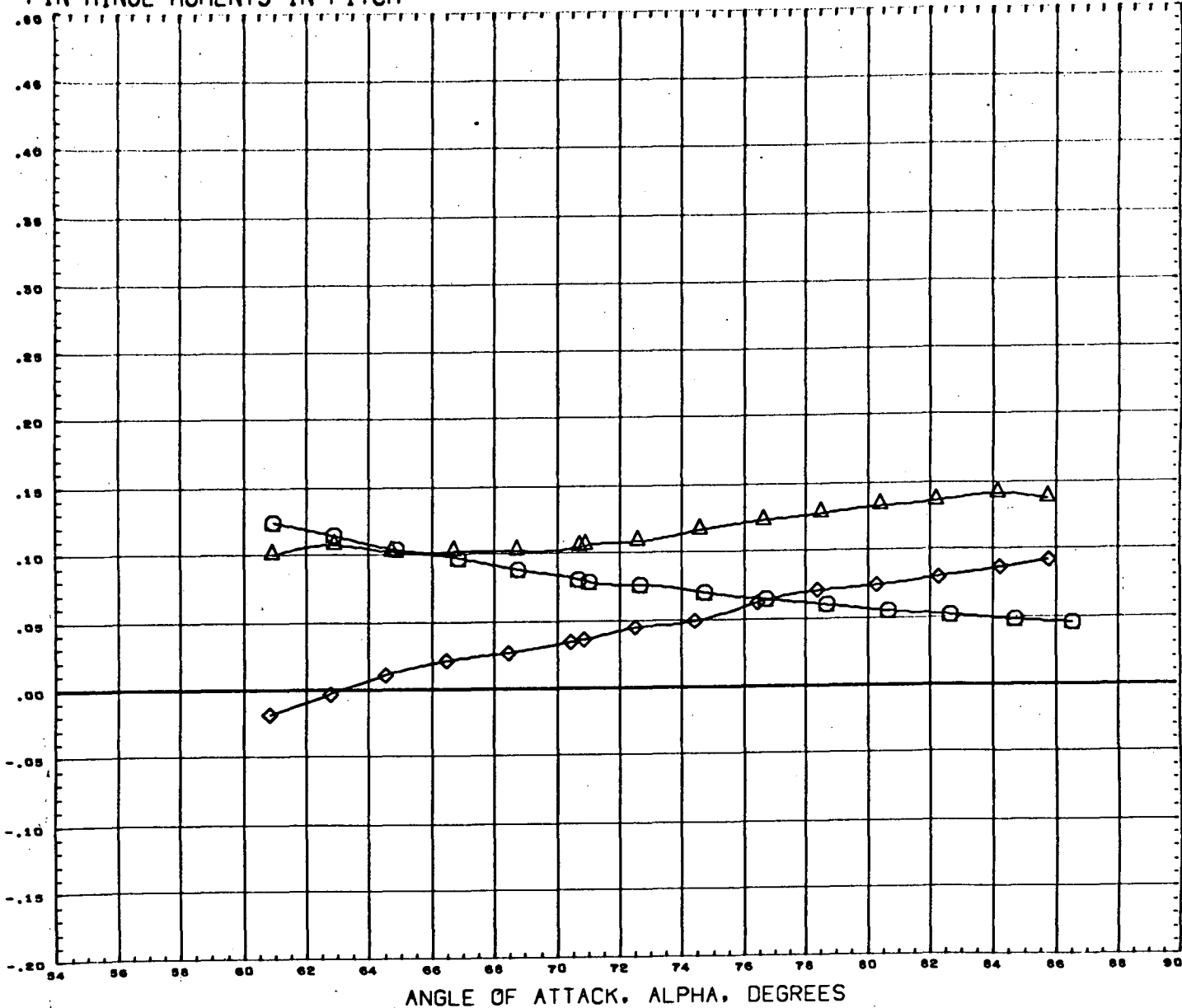
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .35

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# FIN HINGE MOMENTS IN PITCH

FIN HINGE MOMENT COEFFICIENT, CLMH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	BTWT 1262/BSWT 557 PR-FED BRB 85S3V6F

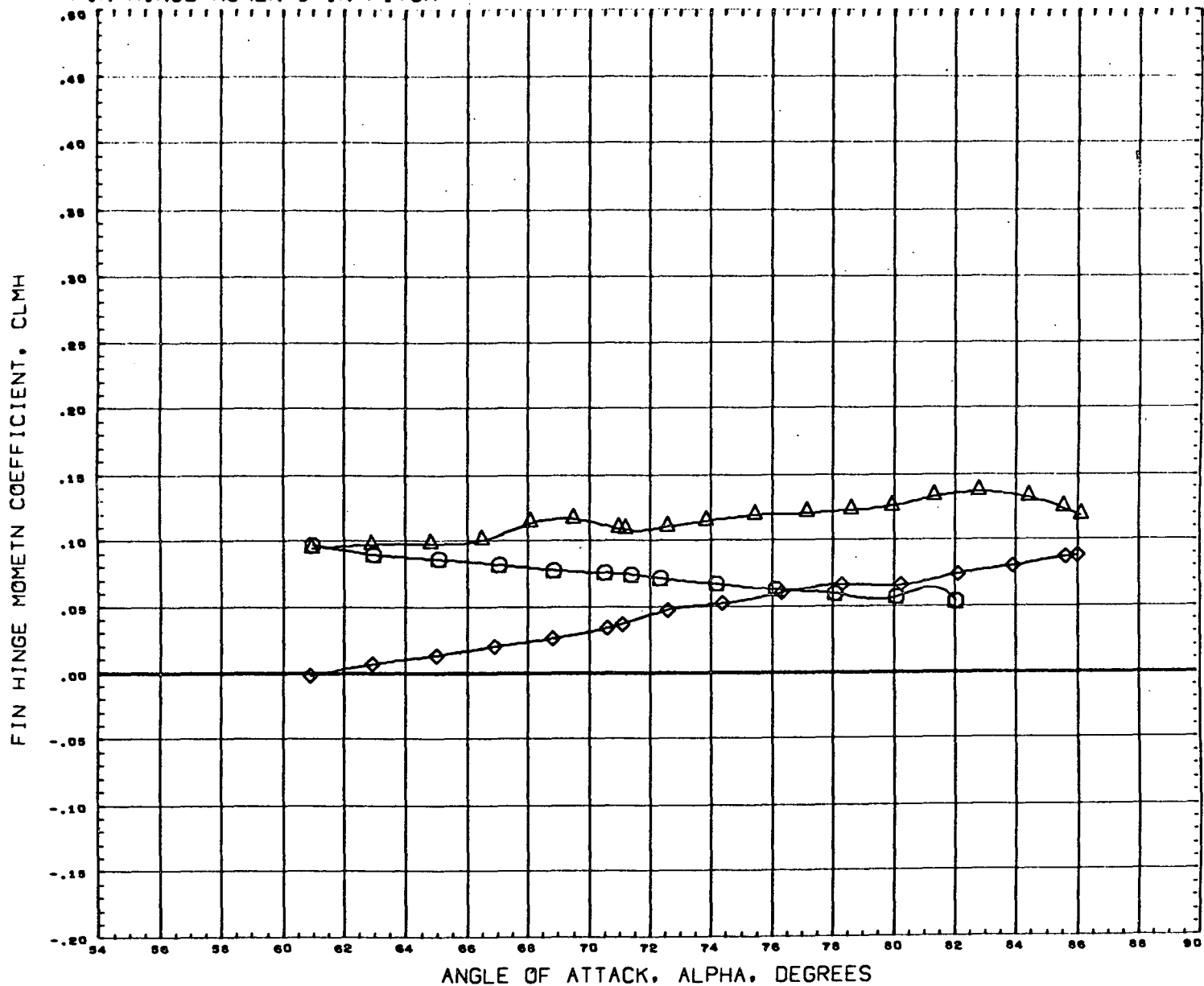
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	34. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .80

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# FIN HINGE MOMENTS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-40.000
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F	0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

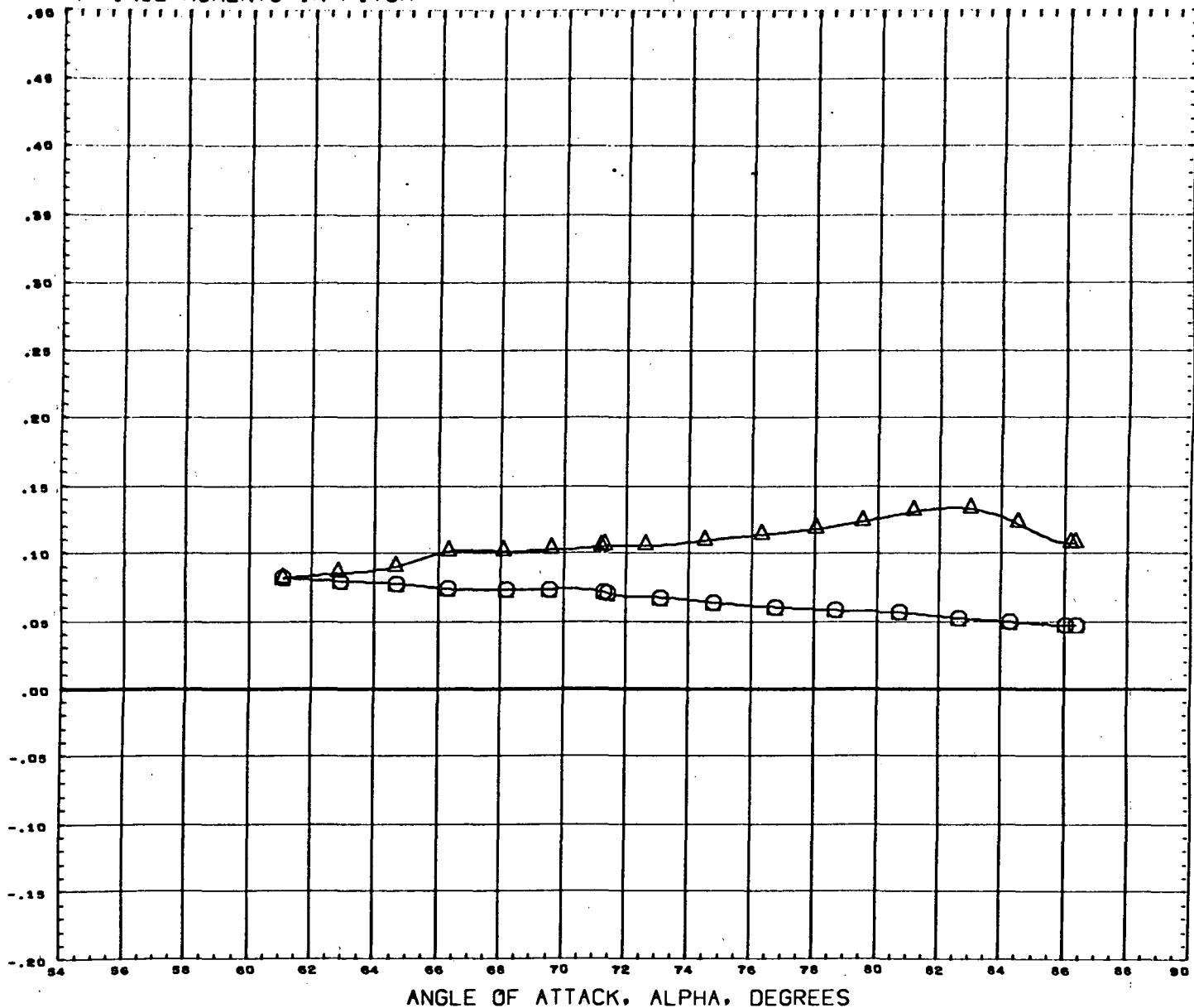
MACH .90

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# FIN HINGE MOMENTS IN PITCH

FIN HINGE MOMENT COEFFICIENT, CLMH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1202/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

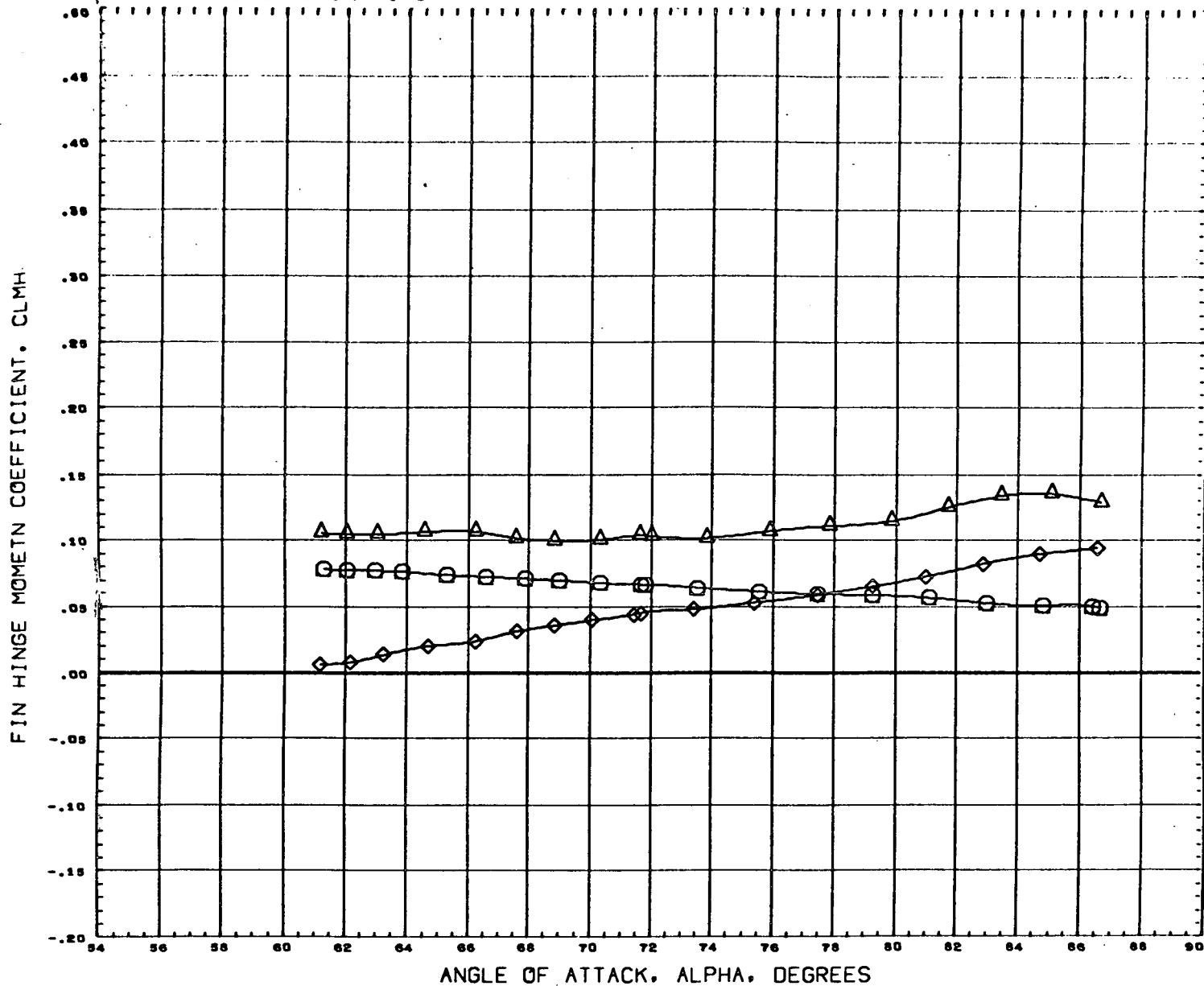
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	50. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .95

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# FIN HINGE MOMENTS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	0.000
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-40.000
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-60.000

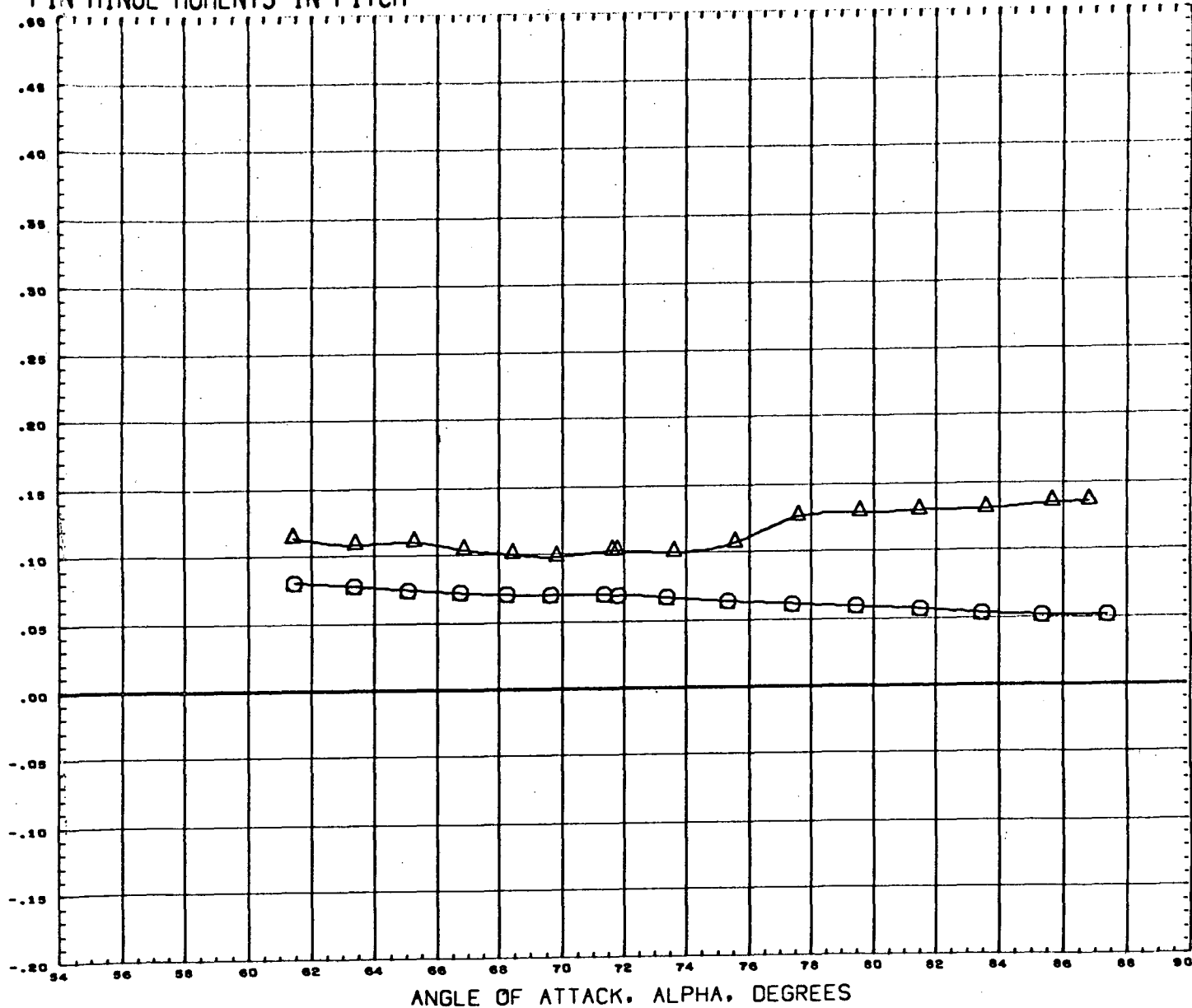
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.00

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# FIN HINGE MOMENTS IN PITCH

FIN HINGE MOMENT COEFFICIENT, CLMH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

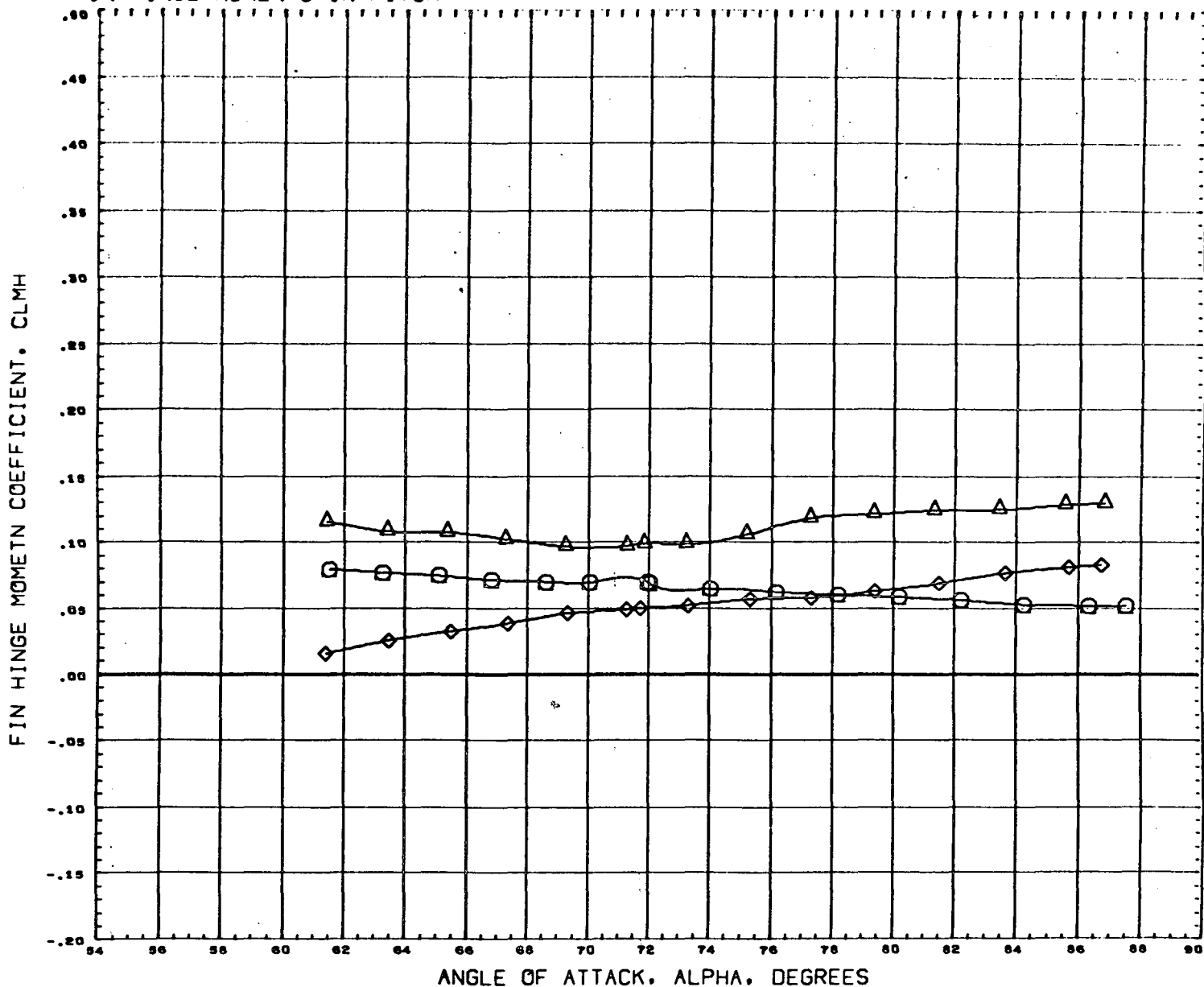
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH

1.05

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# FIN HINGE MOMENTS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(008302)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	0.000
(A08512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-40.000
(A08522)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F	0.000	-60.000

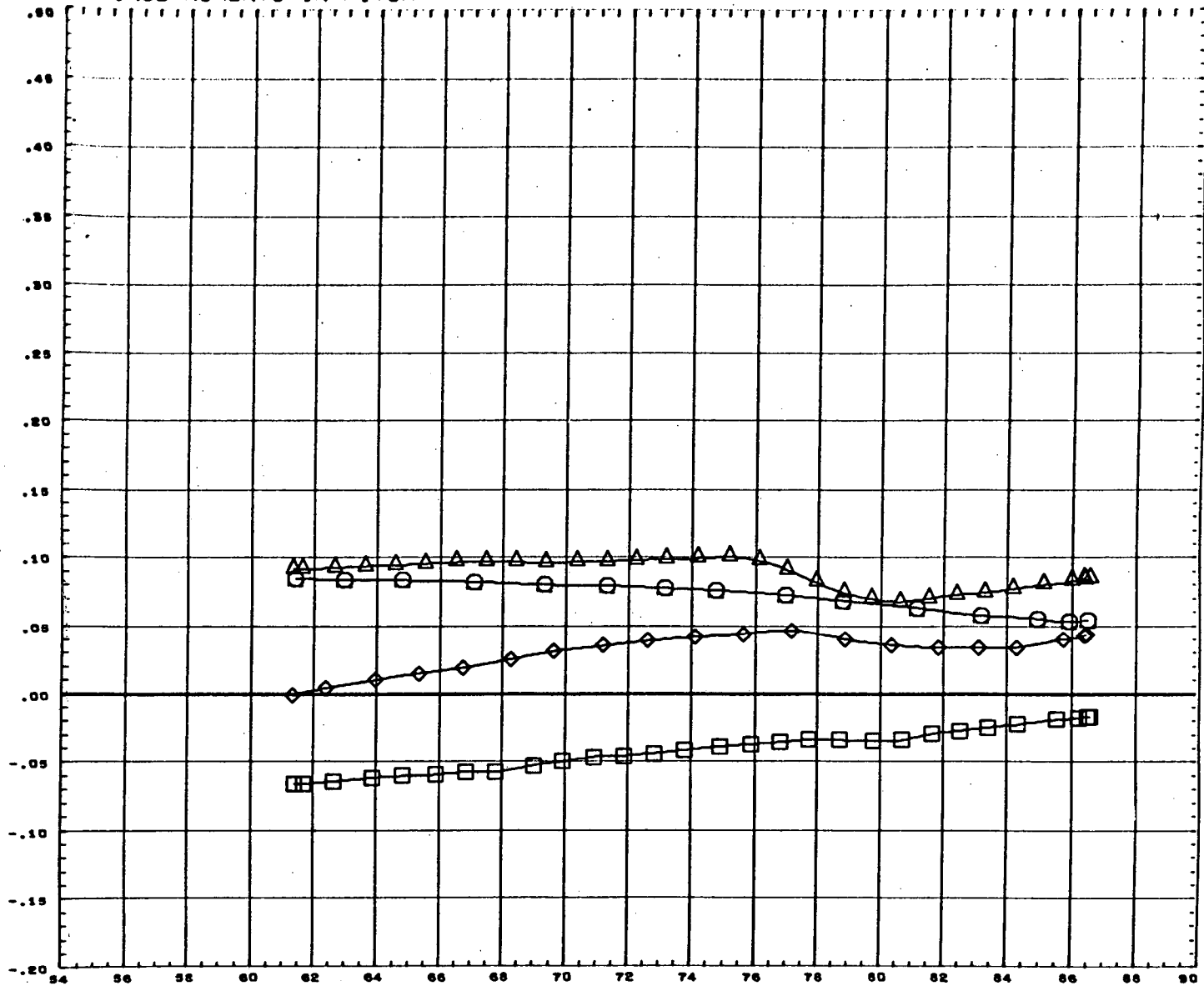
REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.10

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# FIN HINGE MOMENTS IN PITCH

FIN HINGE MOMENT COEFFICIENT, CLMH



ANGLE OF ATTACK, ALPHA, DEGREES

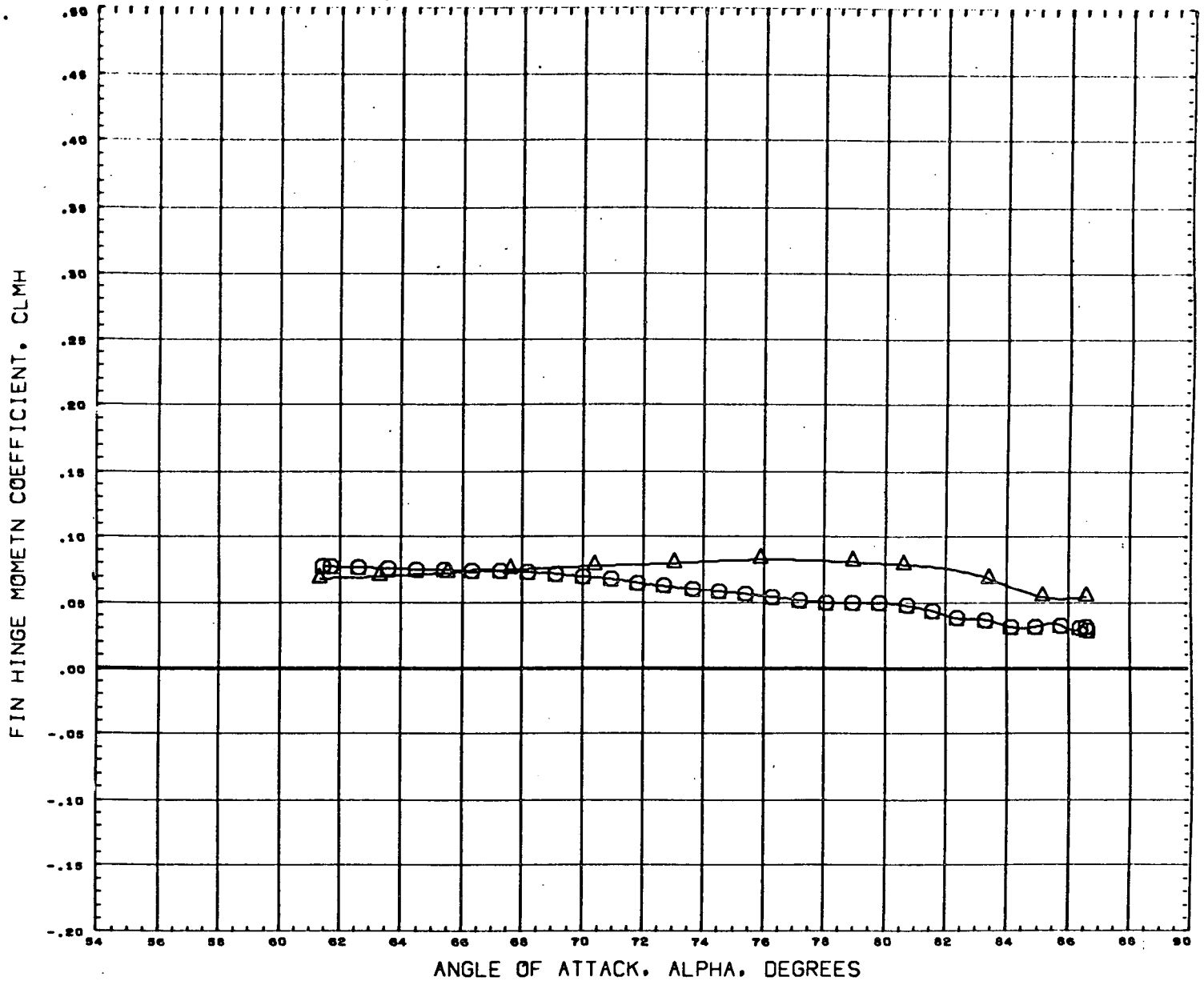
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V
(BD502)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000
(BD512)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	-40.000
(BD522)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	-60.000
(RD532)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F	0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.60

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# FIN HINGE MOMENTS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(808522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

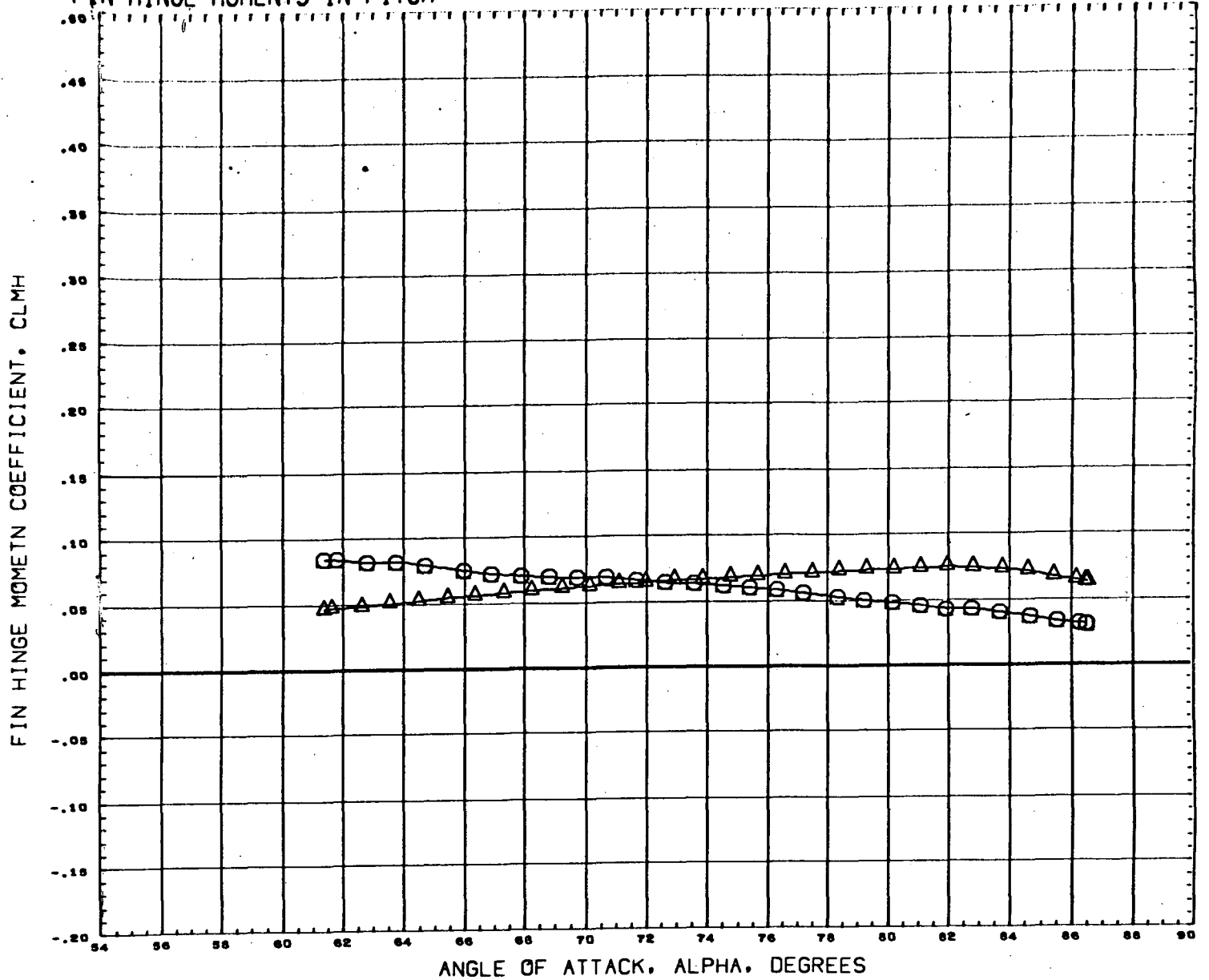
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 2.00

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# FIN HINGE MOMENTS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD6502)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(BD6512)	BTWT 1282/BSWT 557 PR-FED BRB 8553V6F
(BD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD6532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

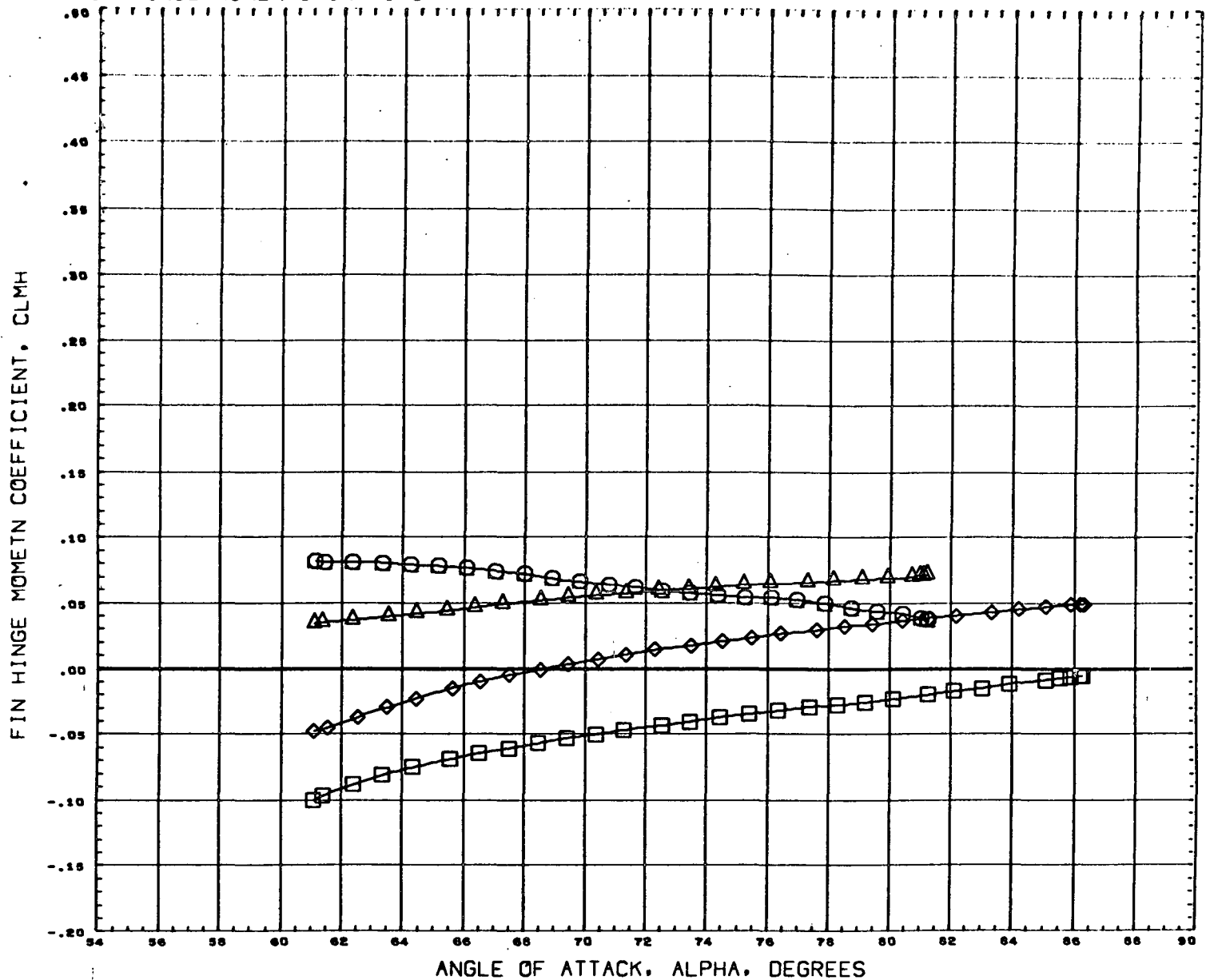
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.70

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# FIN HINGE MOMENTS IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION
(BD5502)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	0.000	SREF 9.7500 SQ. IN.
(BD5512)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	-40.000	LREF 14.6630 INCHES
(BD5522)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	-60.000	BREF 14.6630 INCHES
(RD5532)	BTWT 1202/BSWT 557 PR-FED BRB B5S3V6F	0.000	-80.000	XMRP 0.6000 LBODY
				YMRP 0.0000 INCHES
				ZMRP 0.0000 INCHES
				SCALE 0.6699 PERCENT

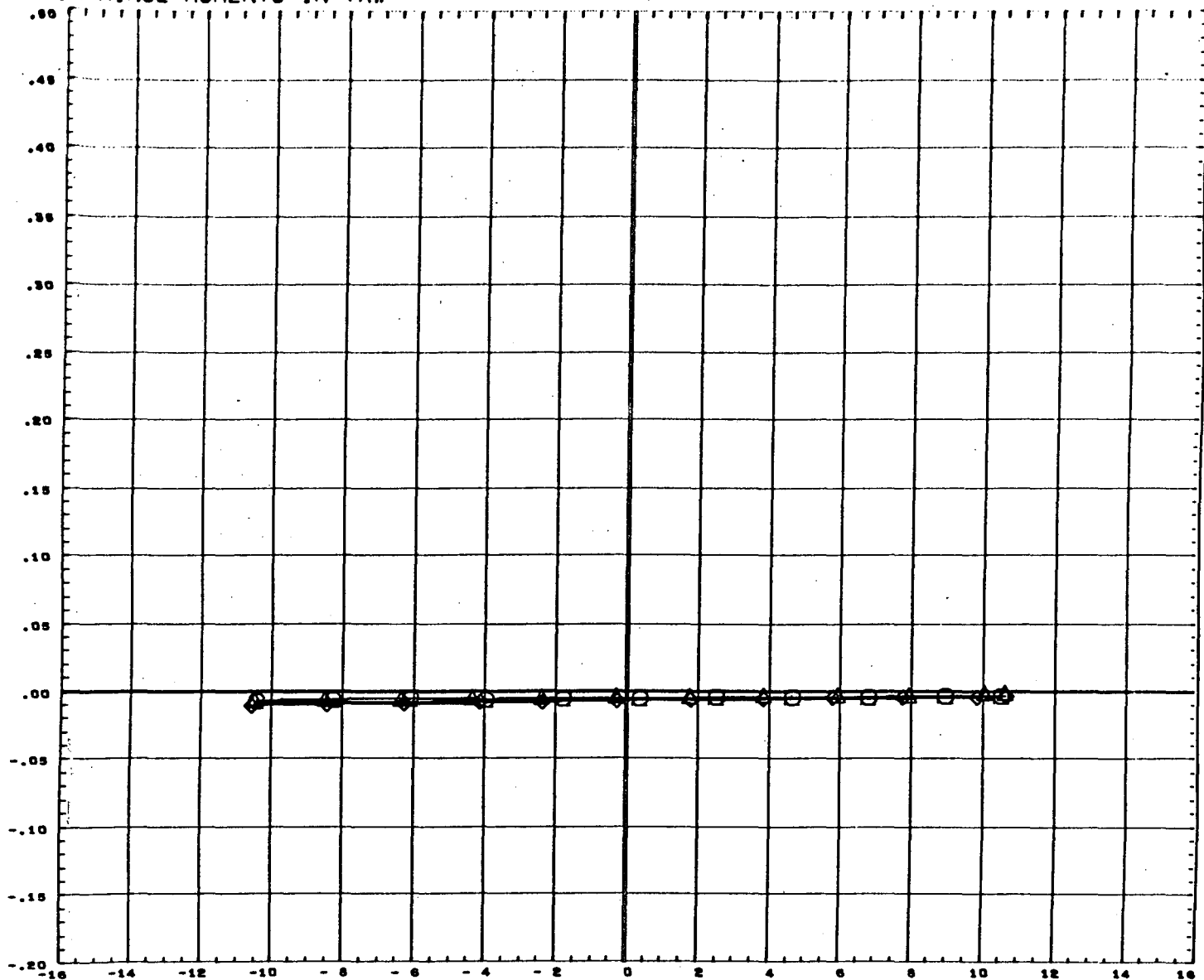
MACH 3.51

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# FIN HINGE MOMENTS IN YAW

FIN HINGE MOMENT COEFFICIENT, CLMH



SIDE SLIP ANGLE, BETA, DEGREES

SYMBOL	MACH	ALPHA	PARAMETRIC VALUES	DELTA V
○	0.599	10.000	0.000	
△	0.900			
◇	1.050			

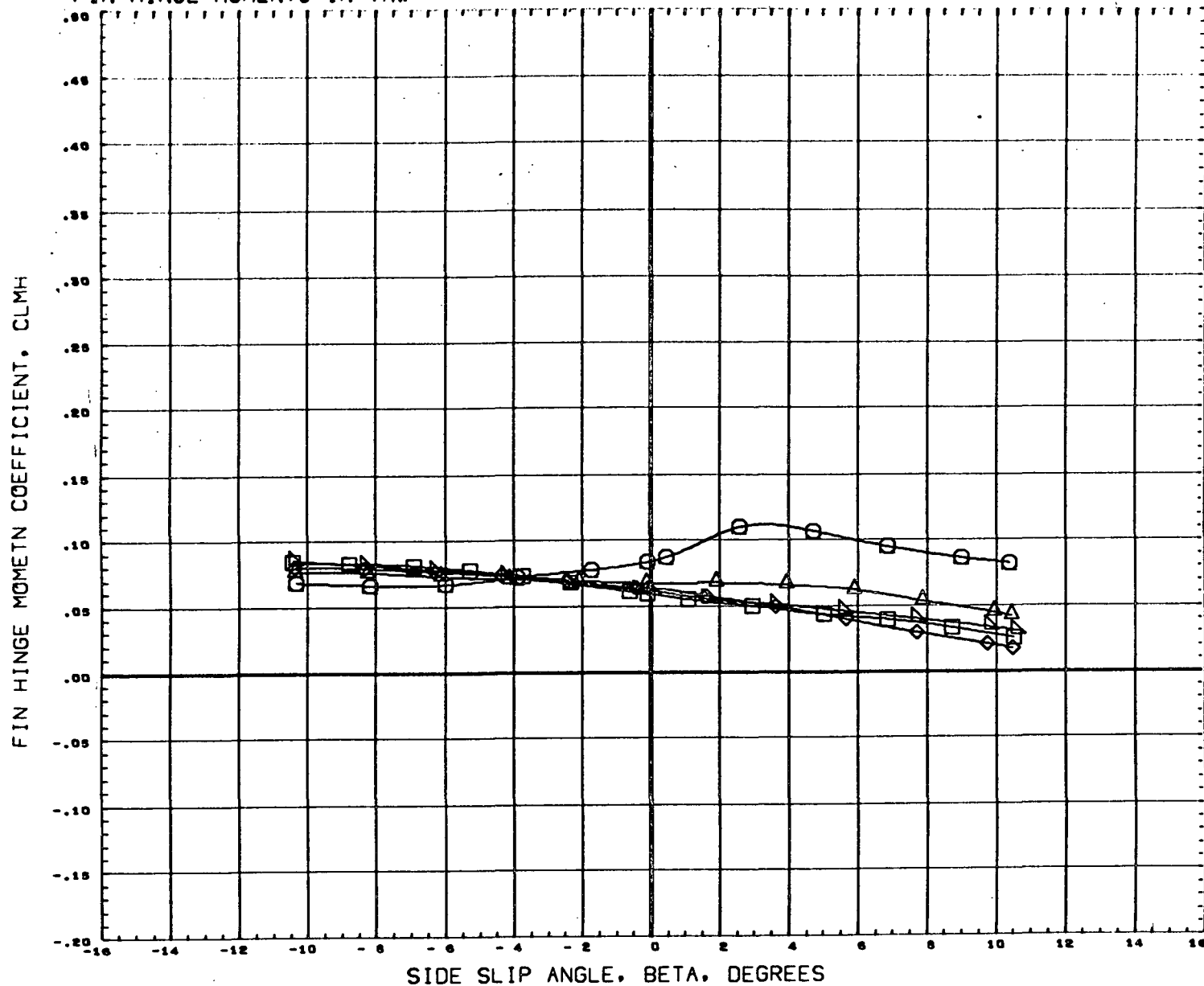
REFERENCE INFORMATION		
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LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

DATA HIST. CODE 46

BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F

(WD8505) 13 SEP 72 PAGE 645

# FIN HINGE MOMENTS IN YAW



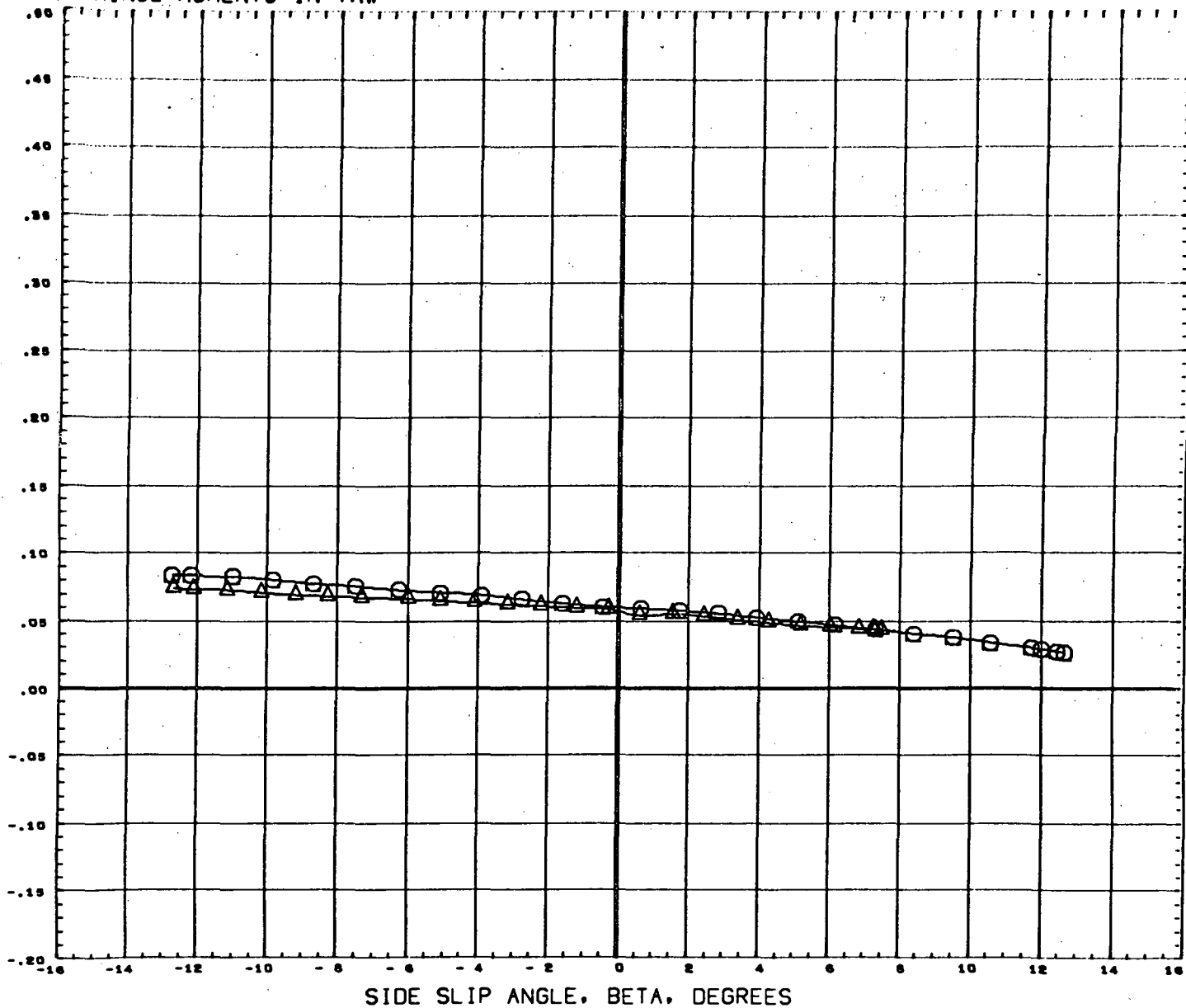
SYMBOL	MACH	PARAMETRIC VALUES			
○	0.350	ALPHA	72.500	DELTAV	0.000
△	0.799				
◇	0.900				
□	1.000				
◇	1.100				

DATA HIST. CODE \*G\*A

REFERENCE INFORMATION		
SREF	9.7500	30. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

# FIN HINGE MOMENTS IN YAW

FIN HINGE MOMENT COEFFICIENT, CLMH



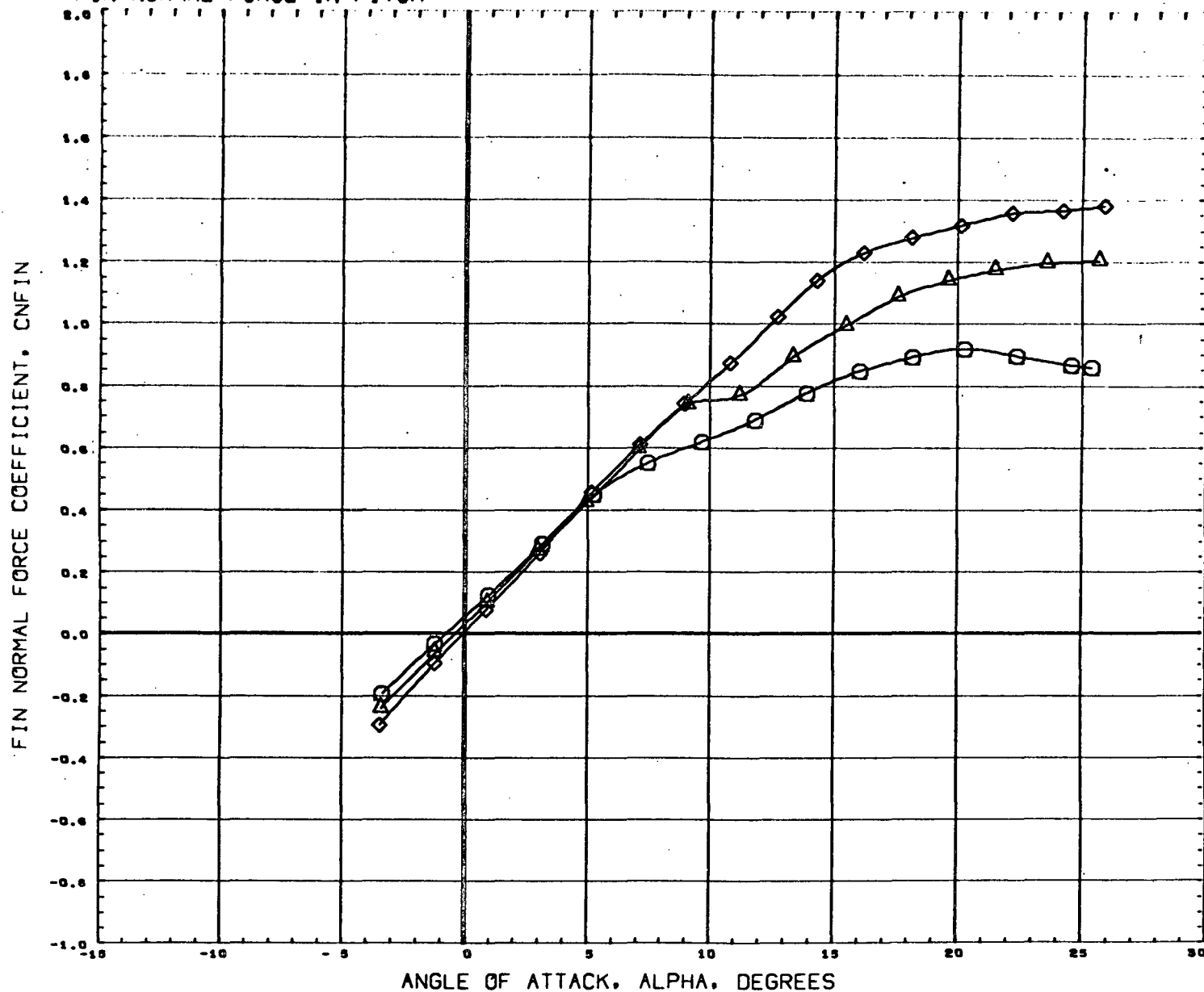
SIDE SLIP ANGLE, BETA, DEGREES

SYMBOL MACH 1.600 ALPHA 72.500 DELTAV 0.000  
 O  
 Δ 3.507

DATA HIST. CODE \*G\*A

REFERENCE INFORMATION  
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 LREF 14.6830 INCHES  
 BREF 14.6830 INCHES  
 XMRP 0.0000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.0899 PERCENT

# FIN NORMAL FORCE IN PITCH



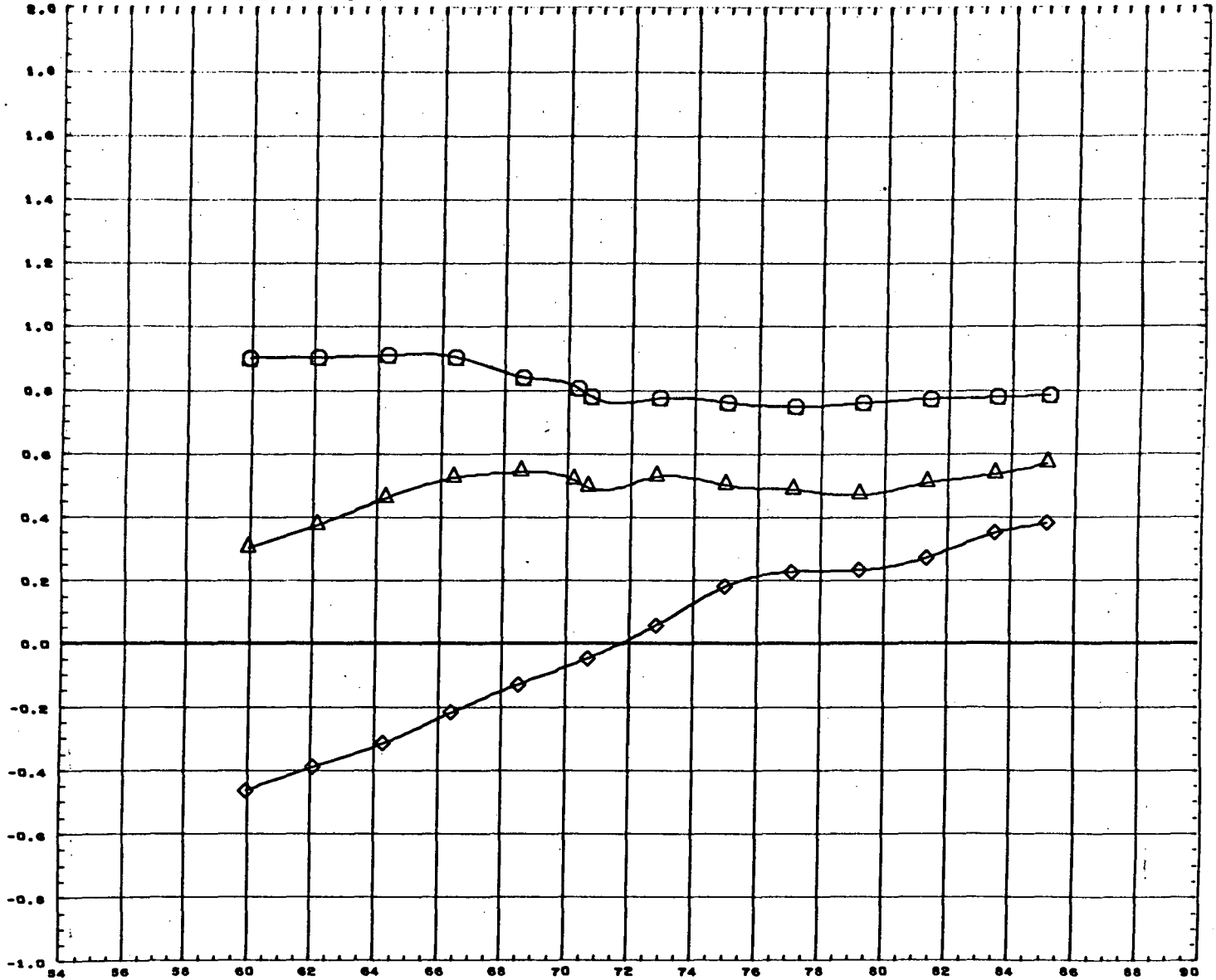
SYMBOL	MACH	BETA	PARAMETRIC VALUES	
○	0.600		0.000	DELTA V 0.000
△	0.900			
◇	1.050			

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBODY
YMRF	0.0000	INCHES
ZMRF	0.0000	INCHES
SCALE	0.8899	PERCENT

DATA HIST. CODE \*6

# FIN NORMAL FORCE IN PITCH

FIN NORMAL FORCE COEFFICIENT, CNFIN



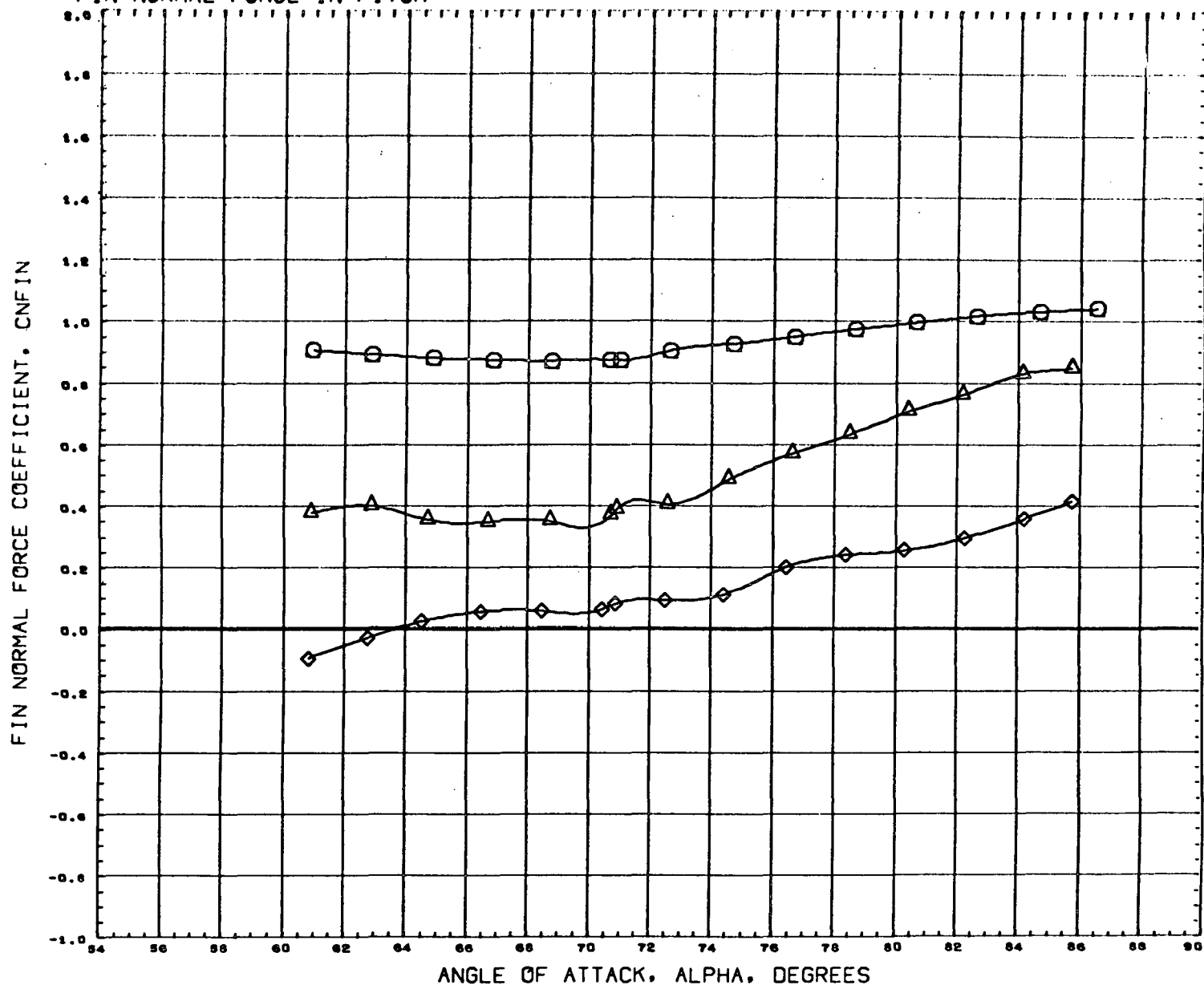
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA V	REFERENCE INFORMATION	
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	0.000	SREF	9.7500 SQ. IN.
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-40.000	LREF	14.6830 INCHES
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F	0.000	-60.000	BREF	14.6830 INCHES
				XMRP	0.0000 LBODY
				YMRP	0.0000 INCHES
				ZMRP	0.0000 INCHES
				SCALE	0.8899 PERCENT

MACH .35

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# FIN NORMAL FORCE IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 8593V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

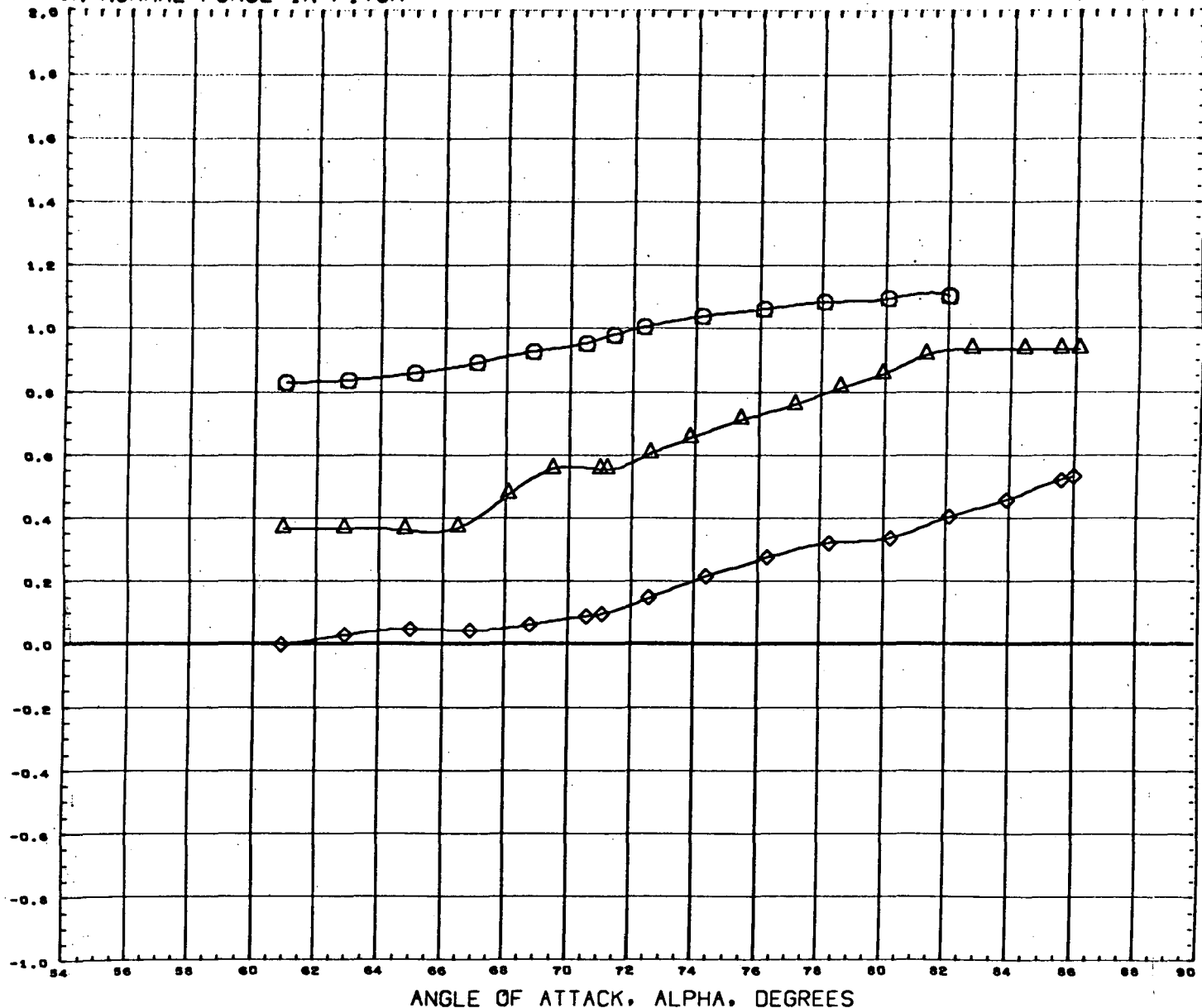
REFERENCE INFORMATION		
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LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

MACH .80

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# FIN NORMAL FORCE IN PITCH

FIN NORMAL FORCE COEFFICIENT, CNFIN



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8512)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F
(AD8522)	BTWT 1282/BSWT 557 PR-FED BRB 85S3V6F

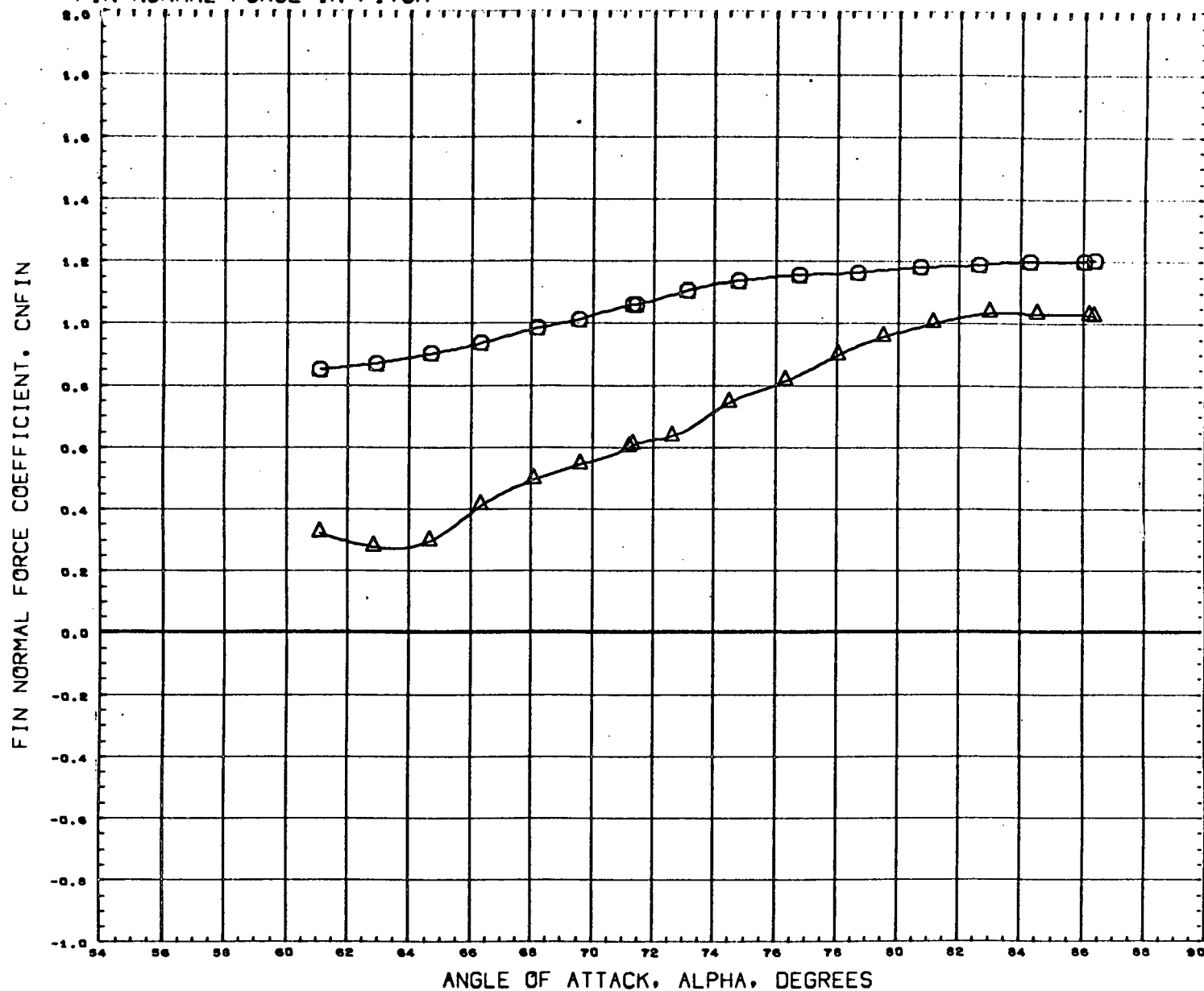
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBOOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH .90

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# FIN NORMAL FORCE IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8502)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(AD8512)	BTWT 1262/BSWT 557 PR-FED BRB B5S3V6F
(AD8522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

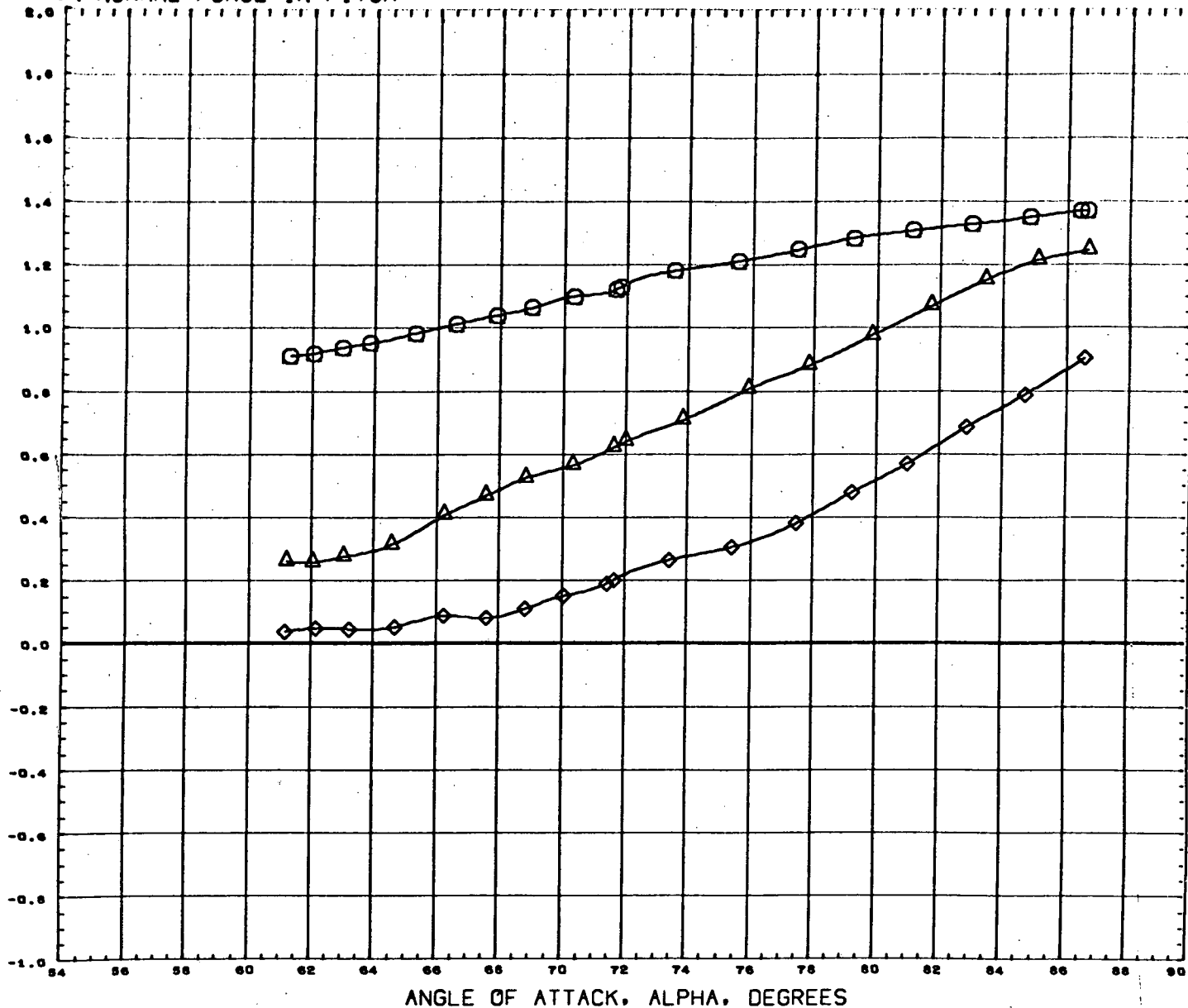
MACH .95

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# FIN NORMAL FORCE IN PITCH

FIN NORMAL FORCE COEFFICIENT, CNFIN



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD8902)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8912)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F
(AD8922)	BTWT 1282/BSWT 557 PR-FED BRB B553V6F

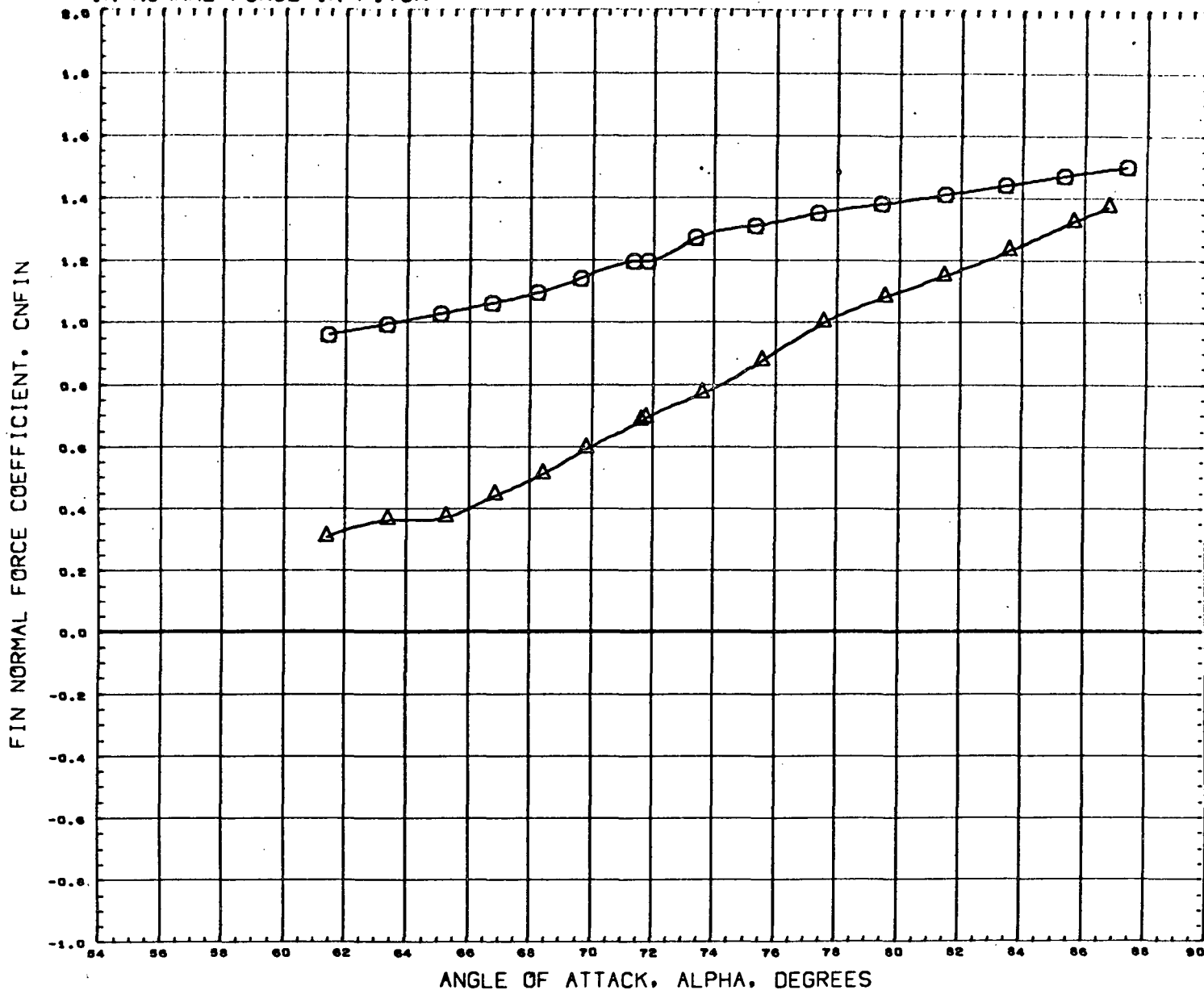
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION	
SREF	9.7500 SQ. IN.
LREF	14.6630 INCHES
BREF	14.6630 INCHES
XMRP	0.6000 LBODY
YMRP	0.0000 INCHES
ZMRP	0.0000 INCHES
SCALE	0.6699 PERCENT

MACH 1.00

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# FIN NORMAL FORCE IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD6502)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F
(AD6512)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F
(AD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS

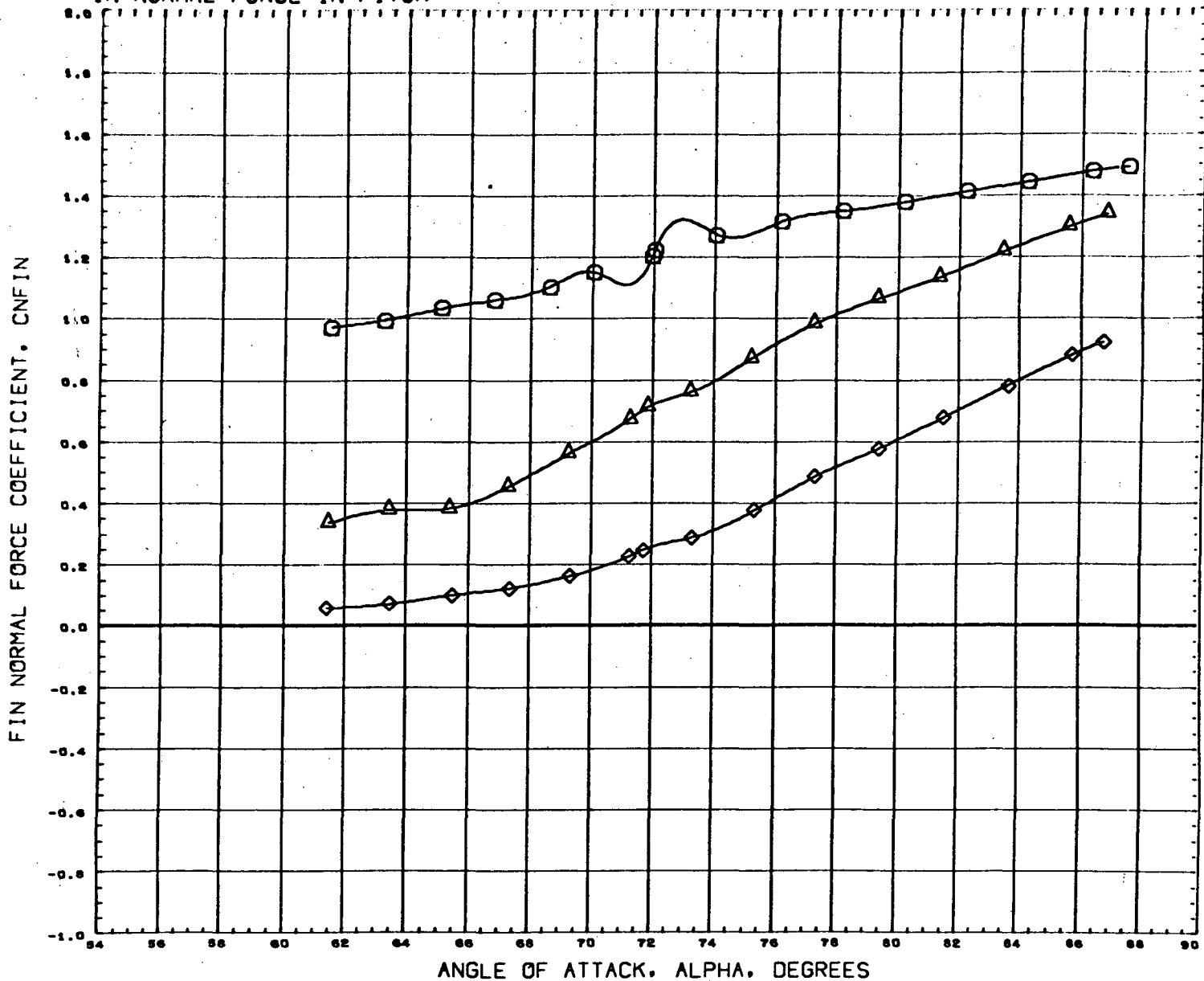
BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000

REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.05

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# FIN NORMAL FORCE IN PITCH



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DD8502)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F
(AD8512)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F
(AD8522)	BTWT 1282/BSWT 557	PR-FED BRB	8553V6F

BETA DELTAV

0.000	0.000
0.000	-40.000
0.000	-60.000

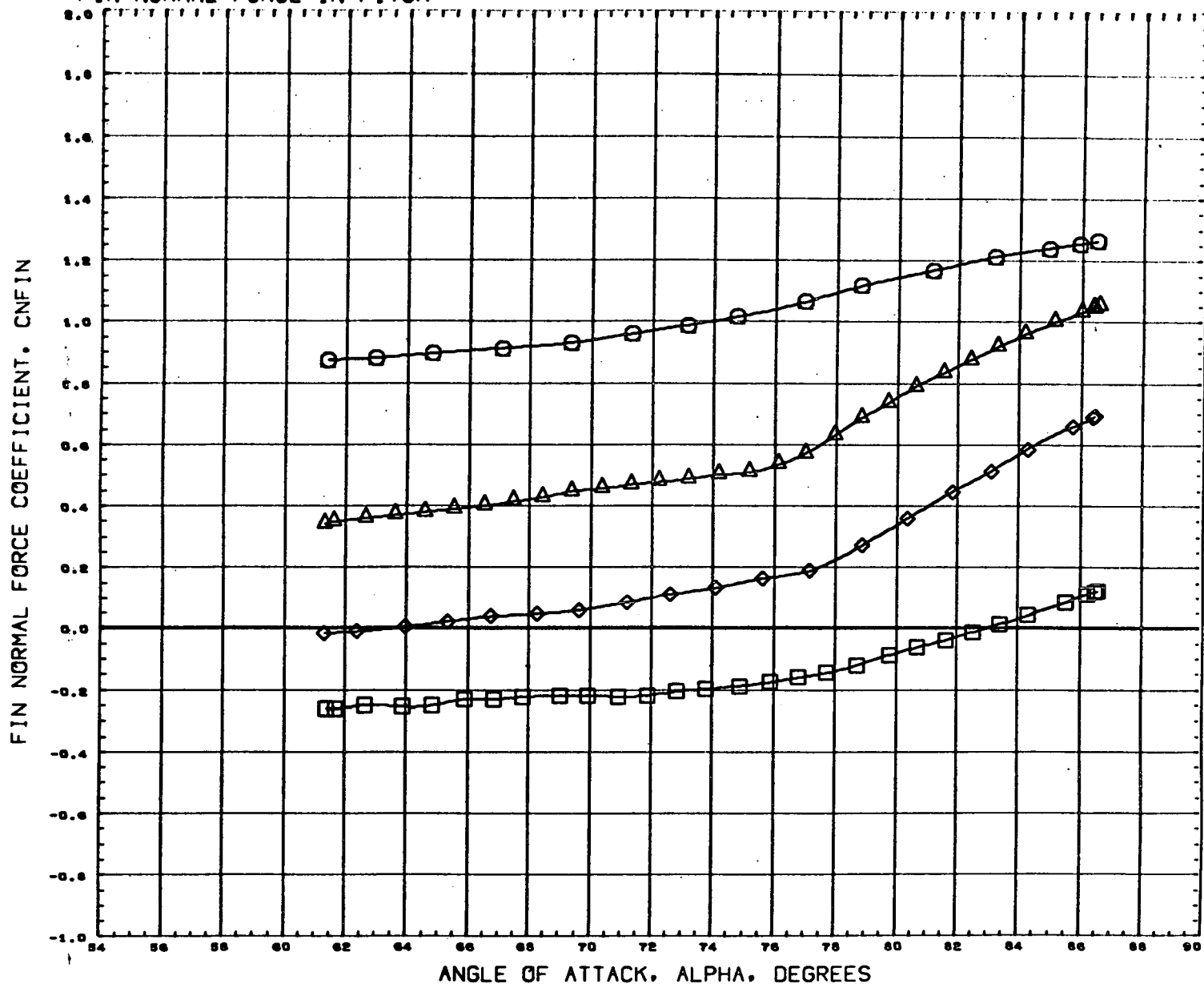
REFERENCE INFORMATION

SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.0000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH 1.10

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# FIN NORMAL FORCE IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(804502)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F
(804512)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F
(804522)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F
(804532)	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F

BETA	DELTA V
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

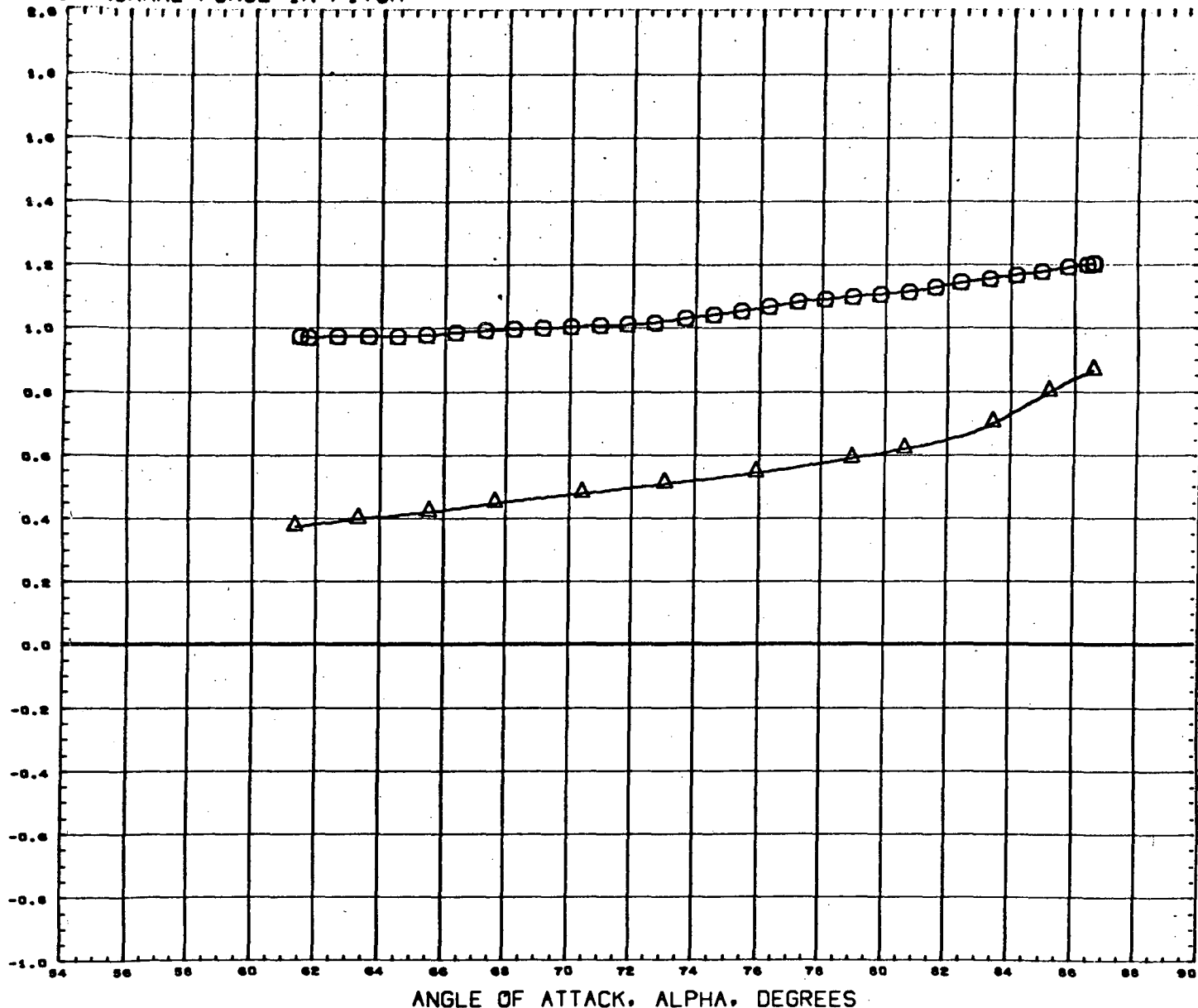
REFERENCE INFORMATION		
SREF	9.7500	sq. in.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBOOT
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8699	PERCENT

MACH 1.60

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# FIN NORMAL FORCE IN PITCH

FIN NORMAL FORCE COEFFICIENT, CNFIN



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BD6502)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(BD6512)	BTWT 1282/BSWT 557 PR-FED BRB B5S3V6F
(BD6522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD6532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

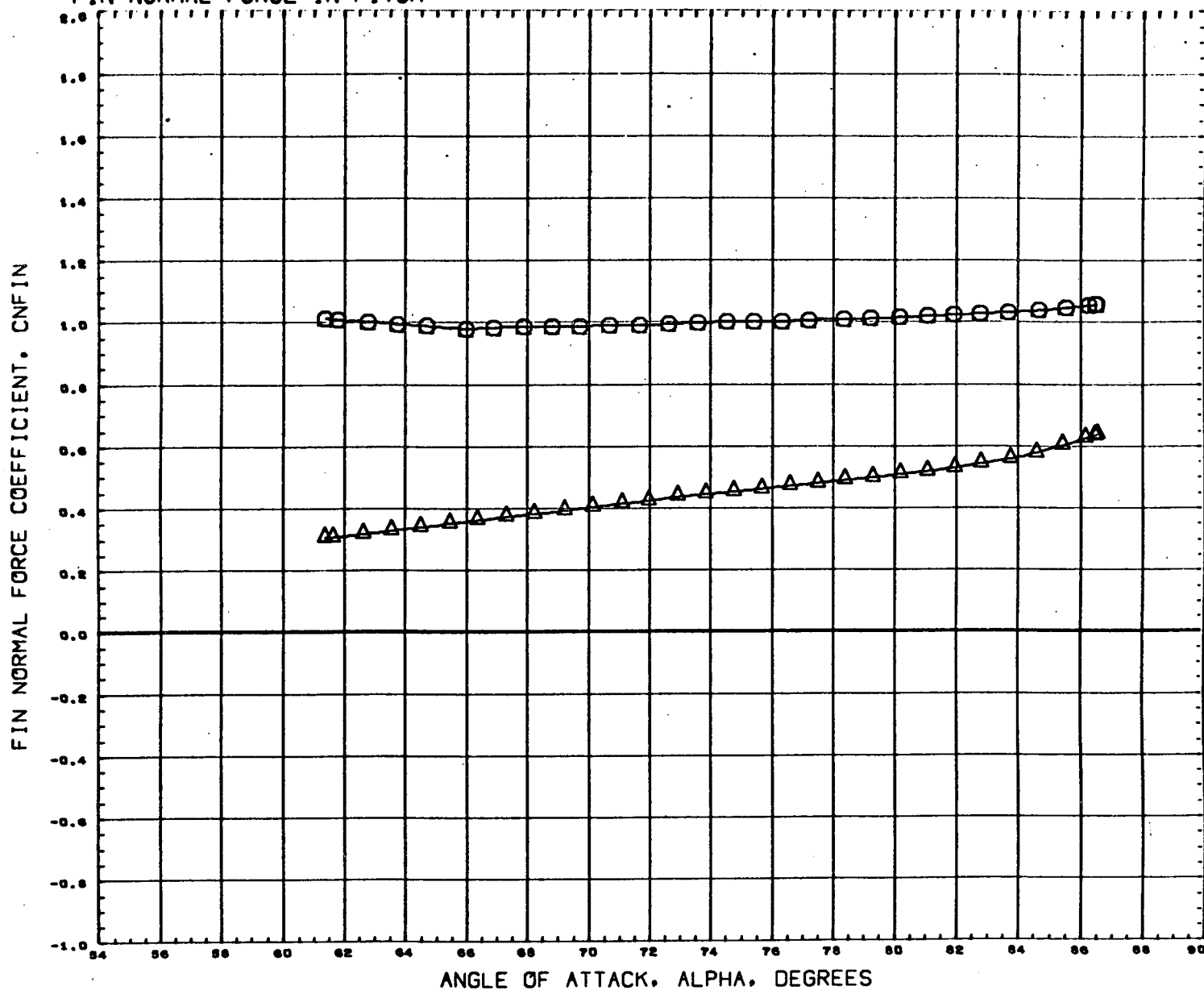
BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-80.000

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRF	0.6000	LBOY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCNT

MACH 2.00

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# FIN NORMAL FORCE IN PITCH



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(808502)	BTWT 1282/BSWT 557 PR-FED BRB 8583V6F
(808512)	BTWT 1282/BSWT 557 PR-FED BRB 8583V6F
(808522)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(808532)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	DELTAV
0.000	0.000
0.000	-40.000
0.000	-60.000
0.000	-60.000

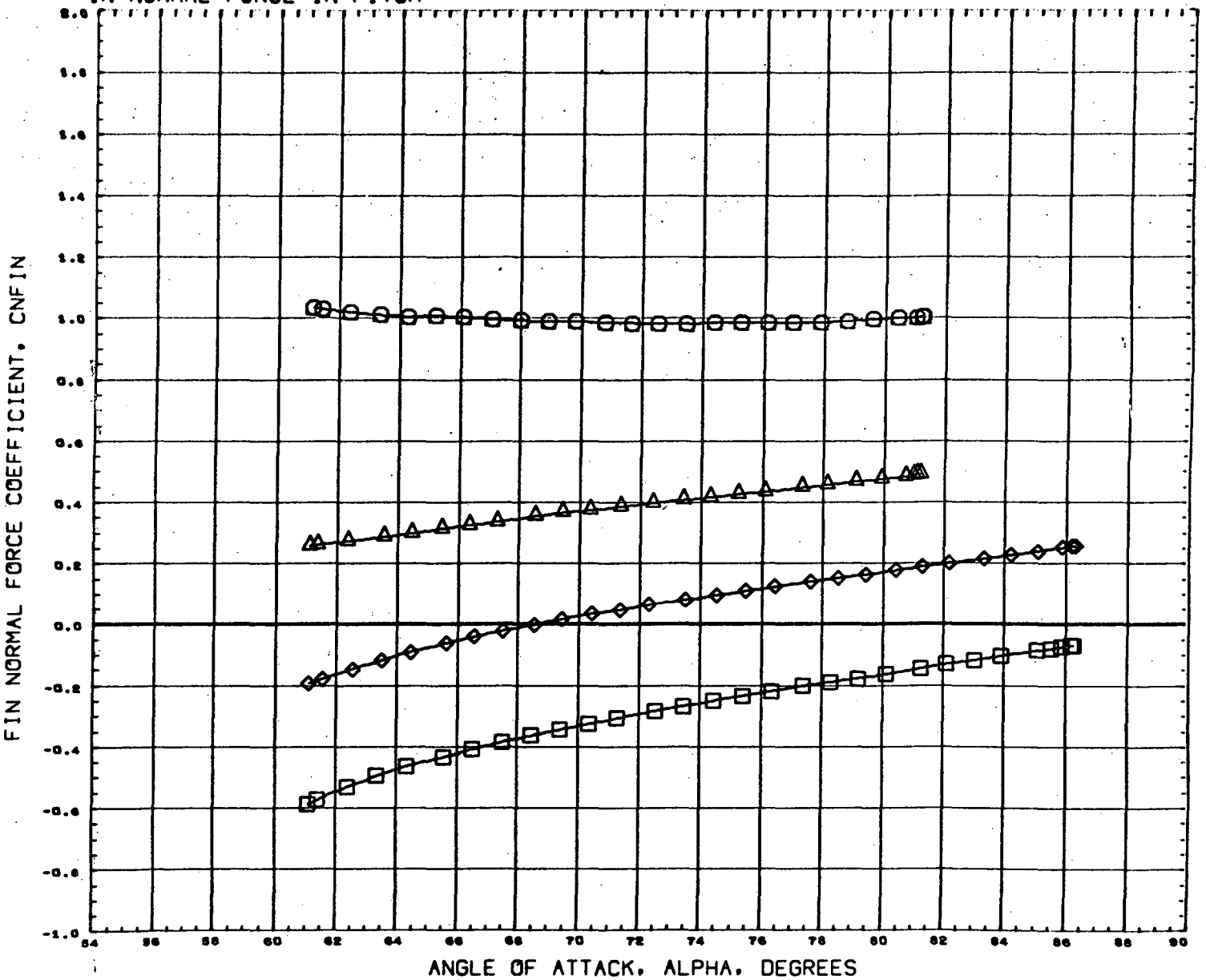
REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6830	INCHES
BREF	14.6830	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.8899	PERCENT

MACH

2.70

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# FIN NORMAL FORCE IN PITCH



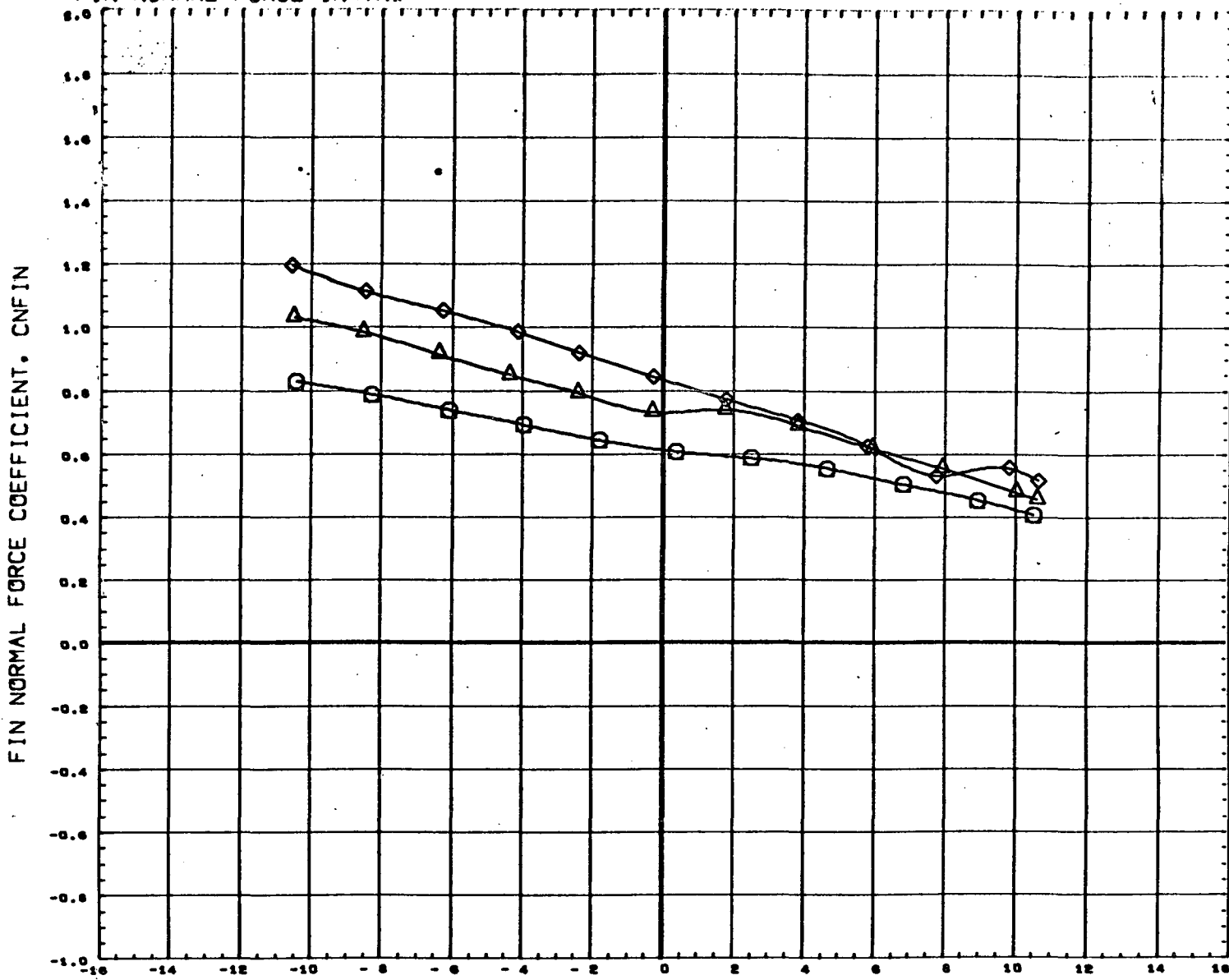
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTAV	REFERENCE INFORMATION
(808502)	○	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F	0.000	0.000	SREF 9.7500 39. IN.
(808512)	△	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F	0.000	-40.000	LREF 14.6630 INCHES
(808522)	◇	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F	0.000	-60.000	BREF 14.6630 INCHES
(808532)	□	BTWT 1262/BSWT 557 PR-FED BRB 8553V6F	0.000	-80.000	XMRP 0.6000 LBODY
					YMRP 0.0000 INCHES
					ZMRP 0.0000 INCHES
					SCALE 0.8899 PERCENT

MACH

3.51

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# FIN NORMAL FORCE IN YAW



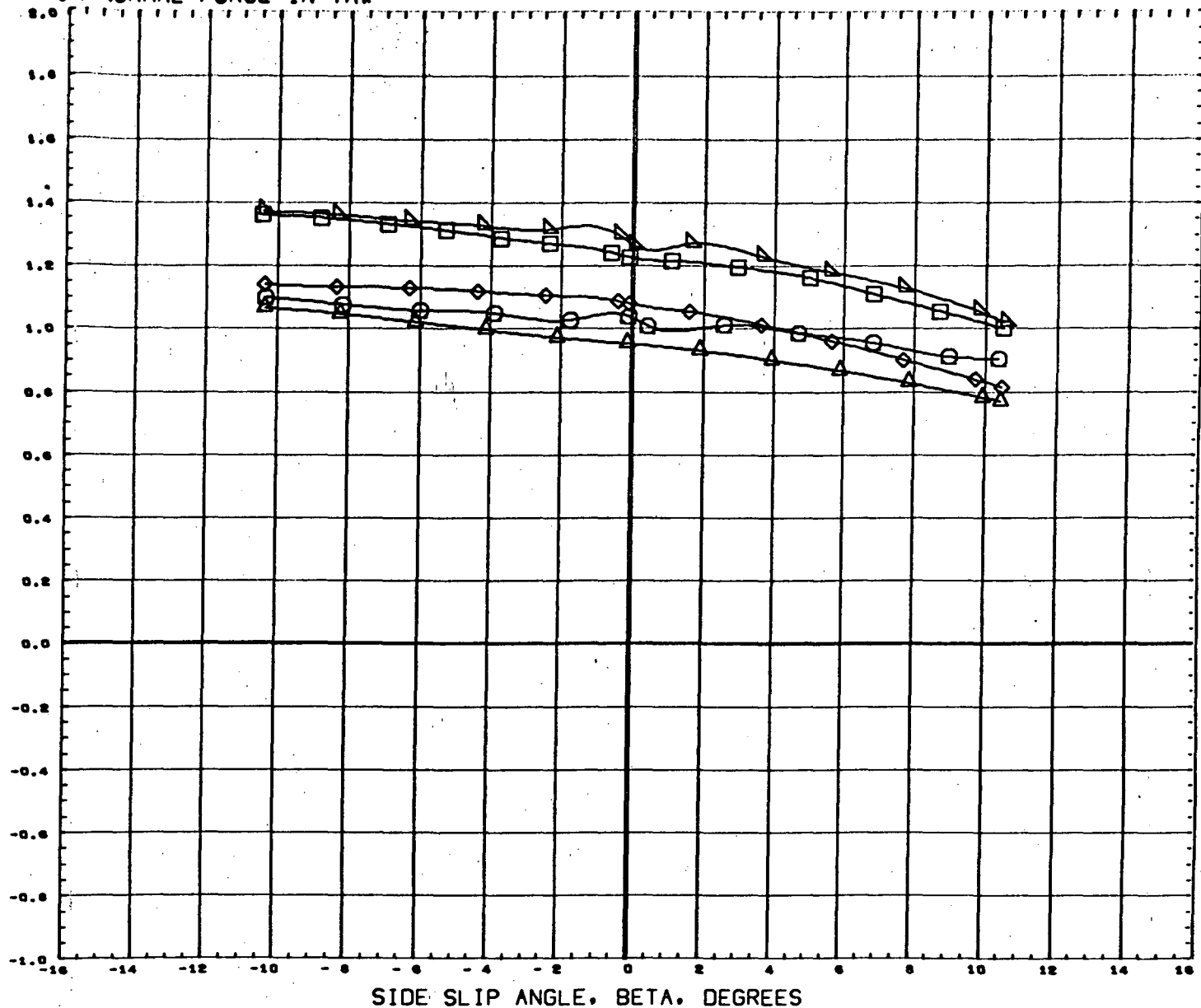
PARAMETRIC VALUES				REFERENCE INFORMATION		
SYMBOL	MACH	ALPHA	DELTA V	SREF	9.7500	SQ. IN.
○	0.999	10.000	0.000	LREF	14.6830	INCHES
△	0.900			BREF	14.6830	INCHES
◇	1.050			XMRP	0.0000	LBODY
				YMRP	0.0000	INCHES
				ZMRP	0.0000	INCHES
				SCALE	0.0899	PERCENT

DATA HIST. CODE \*6



# FIN NORMAL FORCE IN YAW

FIN NORMAL FORCE COEFFICIENT, CNFIN



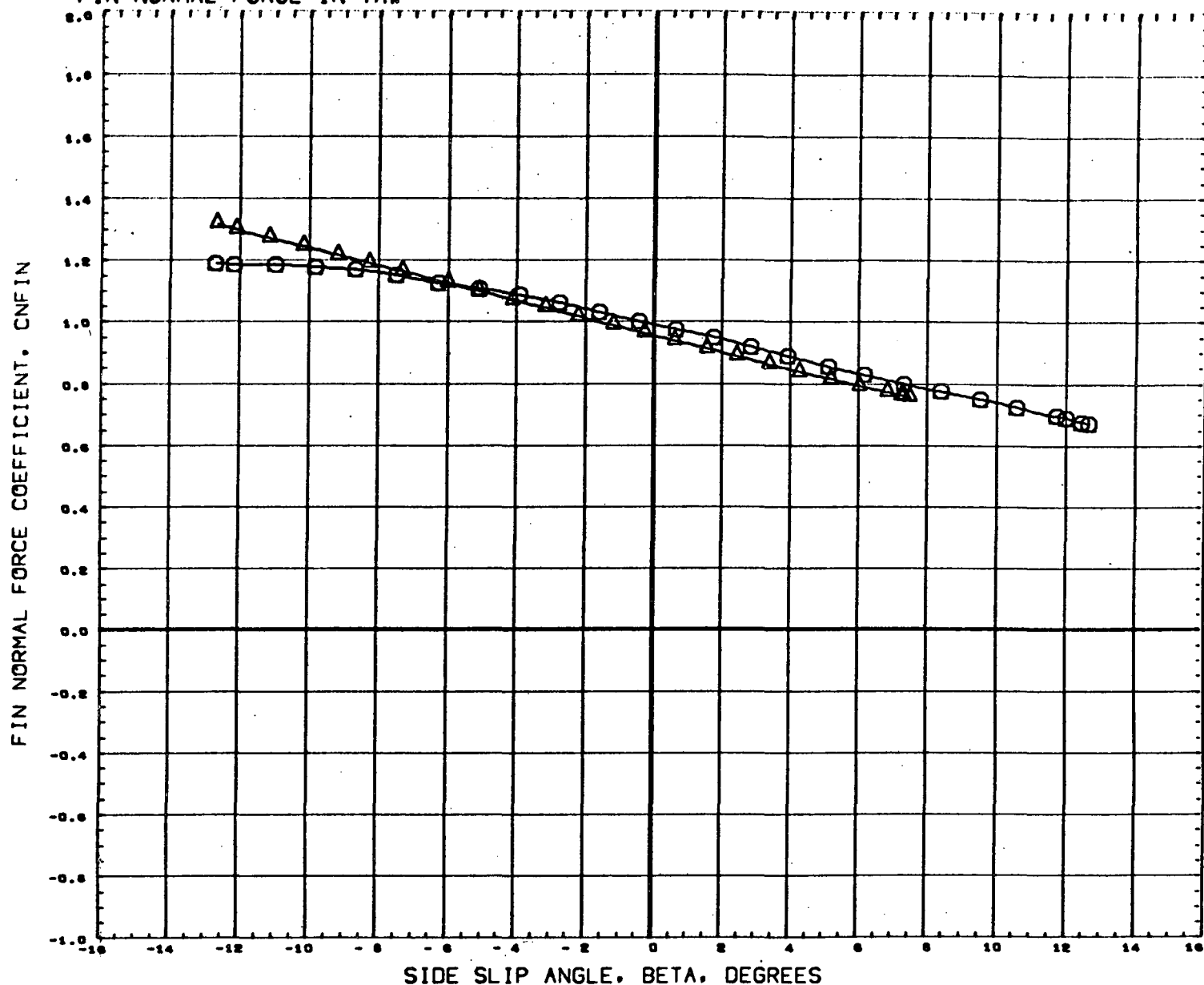
SIDE SLIP ANGLE, BETA, DEGREES

SYMBOL	MACH	ALPHA	PARAMETRIC VALUES	DELTA V	0.000
◇	0.350		72.500		
◇	0.799				
◇	0.900				
◇	1.000				
◇	1.100				

DATA HIST. CODE \*G\*A

REFERENCE INFORMATION		
SREF	9.7500	SQ. IN.
LREF	14.6630	INCHES
BREF	14.6630	INCHES
XMRP	0.6000	LBODY
YMRP	0.0000	INCHES
ZMRP	0.0000	INCHES
SCALE	0.6699	PERCENT

# FIN NORMAL FORCE IN YAW



SYMBOL MACH PARAMETRIC VALUES  
 O 1.000 ALPHA 72.500 DELTAV 0.000  
 Δ 3.507

REFERENCE INFORMATION  
 SREF 9.7500 SQ. IN.  
 LREF 14.6630 INCHES  
 BREF 14.6630 INCHES  
 XMRP 0.6000 LBODY  
 YMRP 0.0000 INCHES  
 ZMRP 0.0000 INCHES  
 SCALE 0.6699 PERCENT

DATA HIST. CODE \*6+A